

FIG. 1

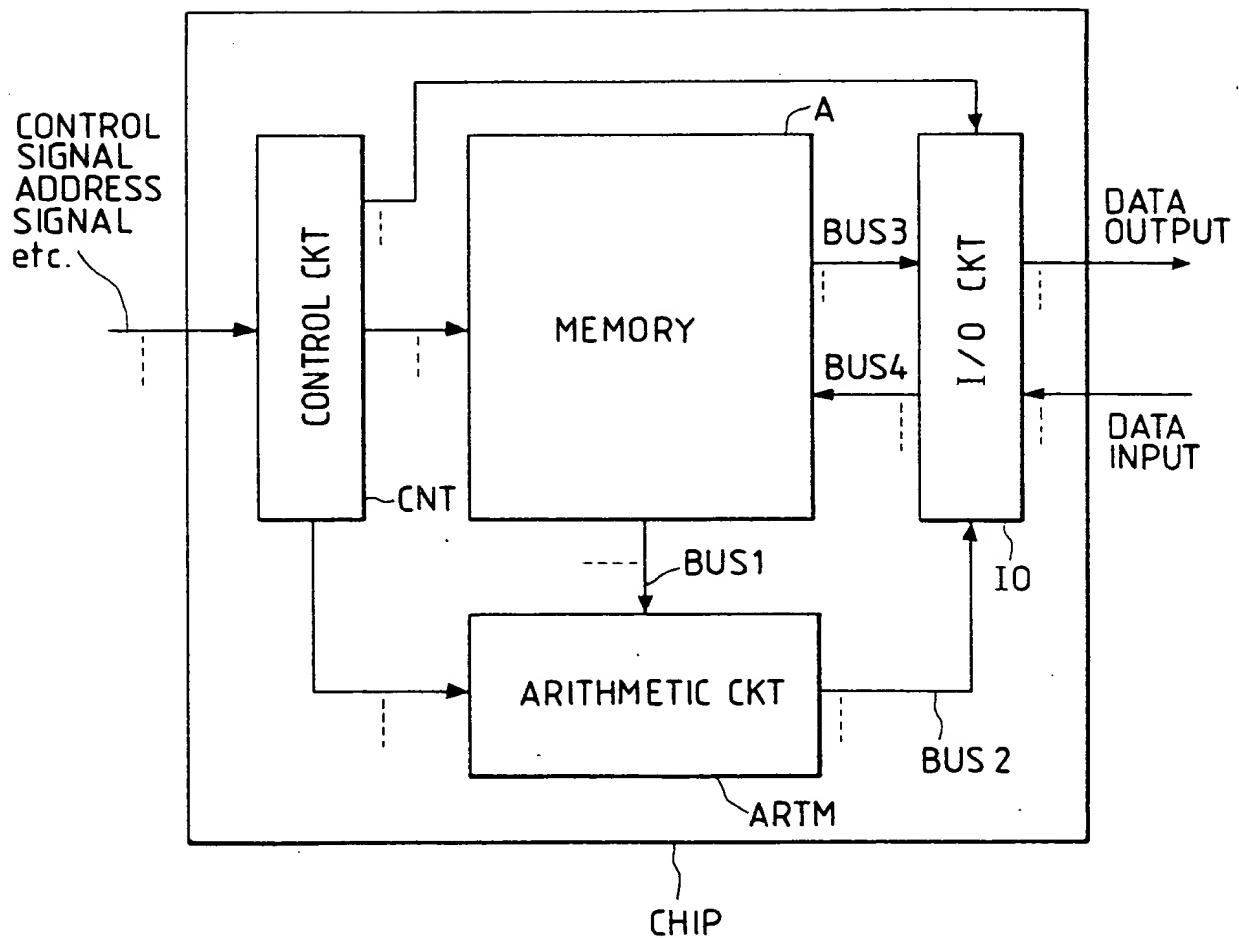


FIG. 2(a)

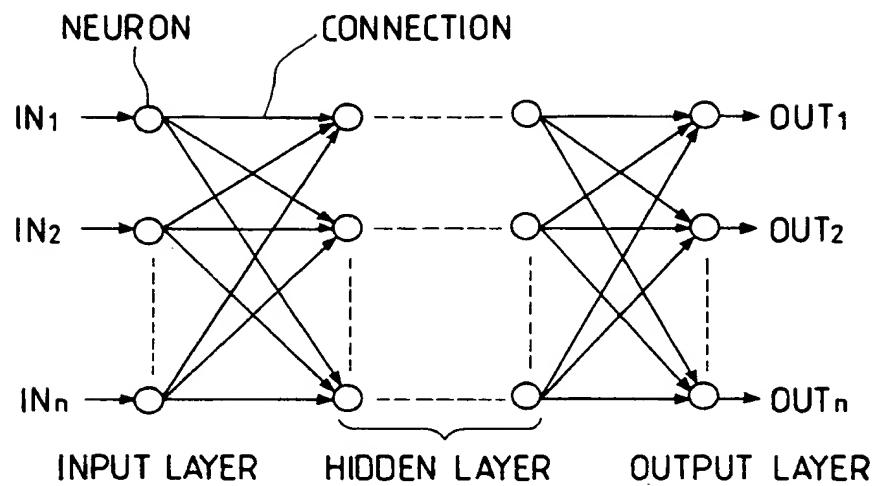


FIG. 2(b)

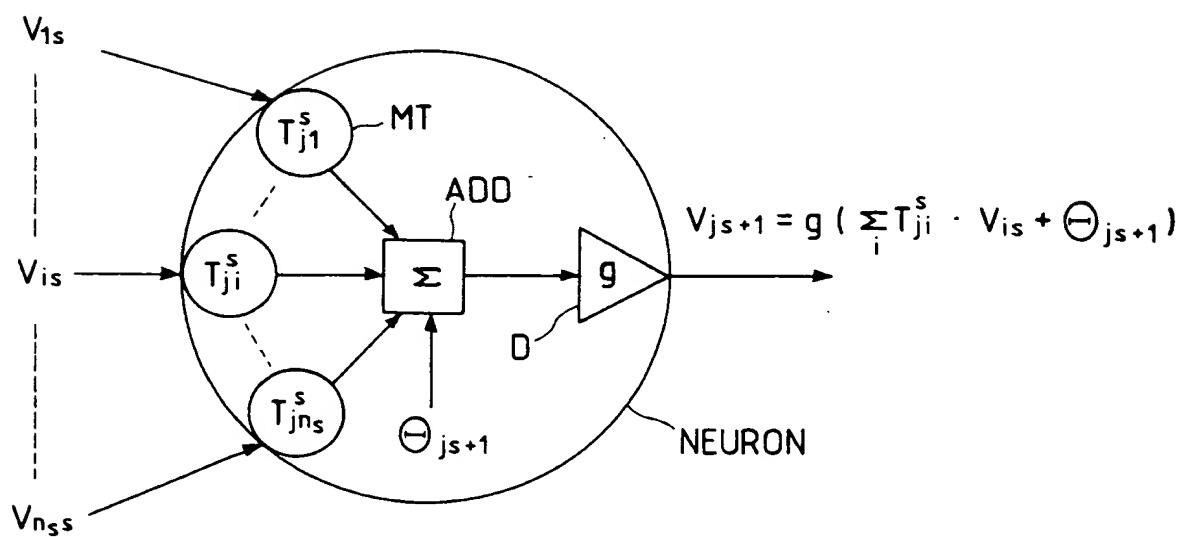


FIG. 2(c)

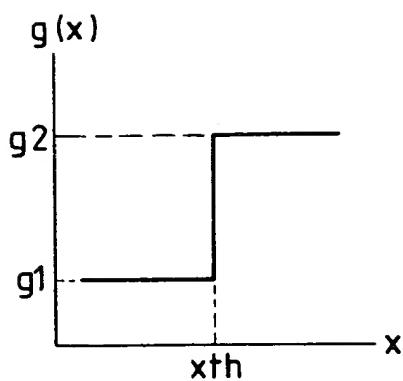


FIG. 2(d)

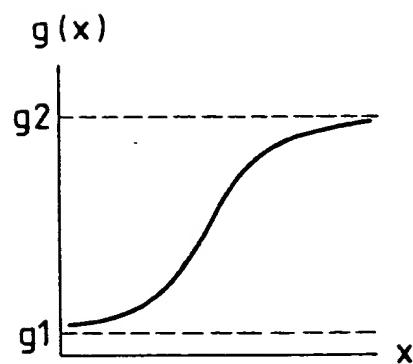


FIG. 3(a)

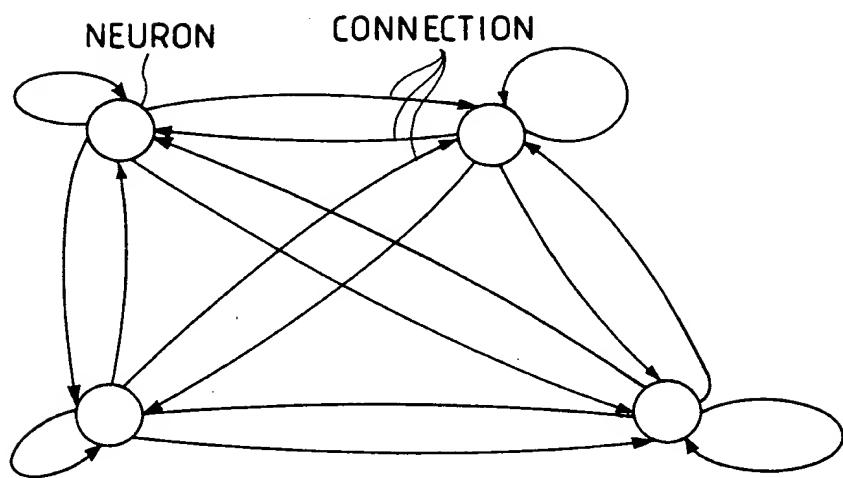


FIG. 3(b)

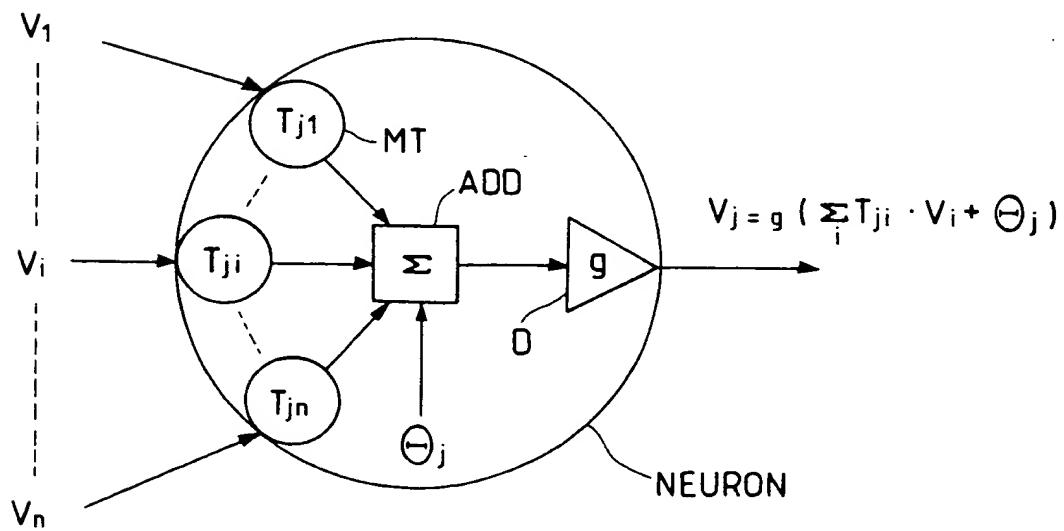


FIG. 4 PRIOR ART

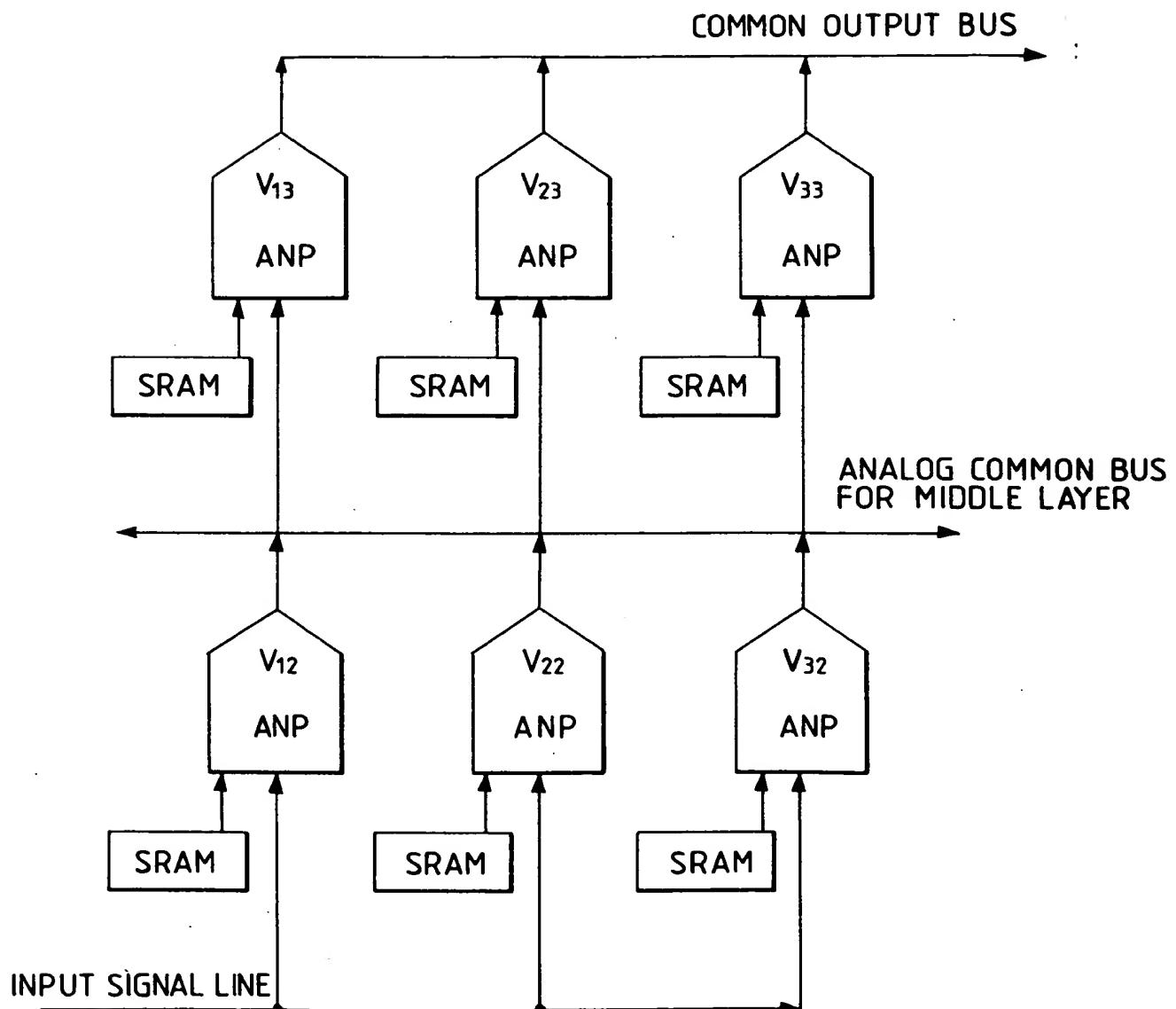


FIG. 5(a)

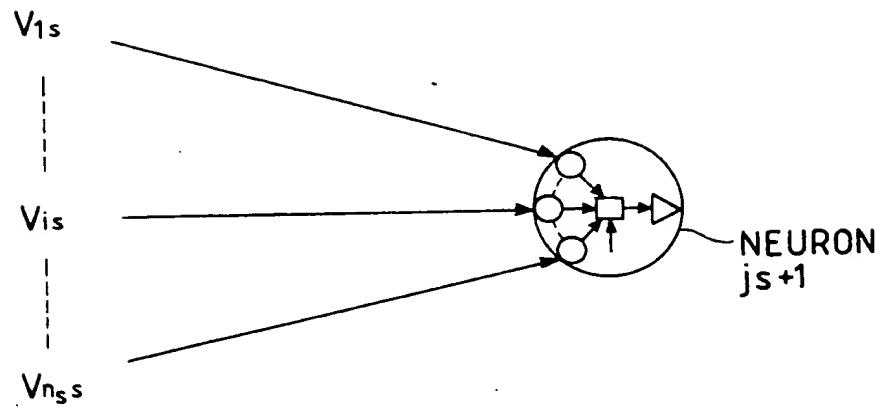


FIG. 5(b)

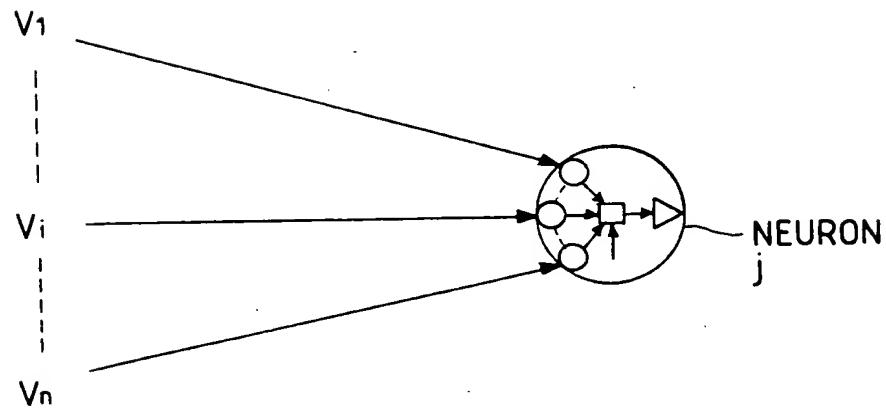


FIG. 6(a)

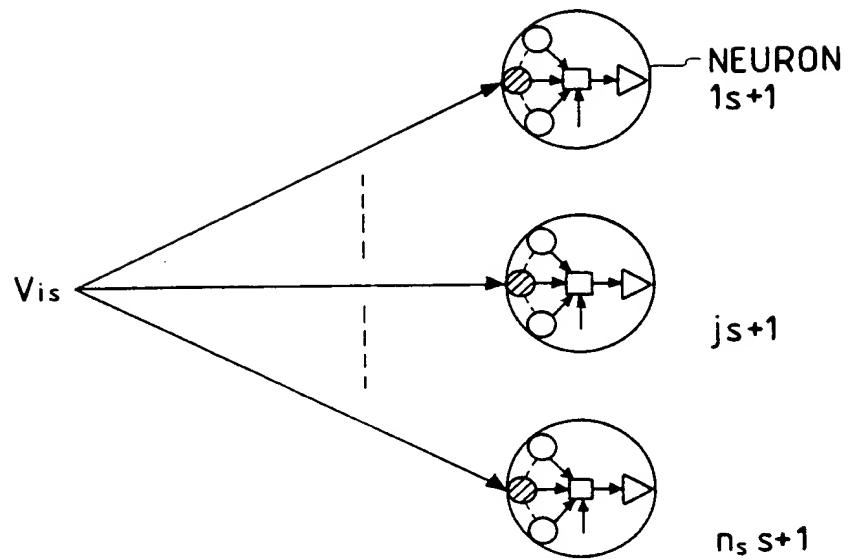


FIG. 6(b)

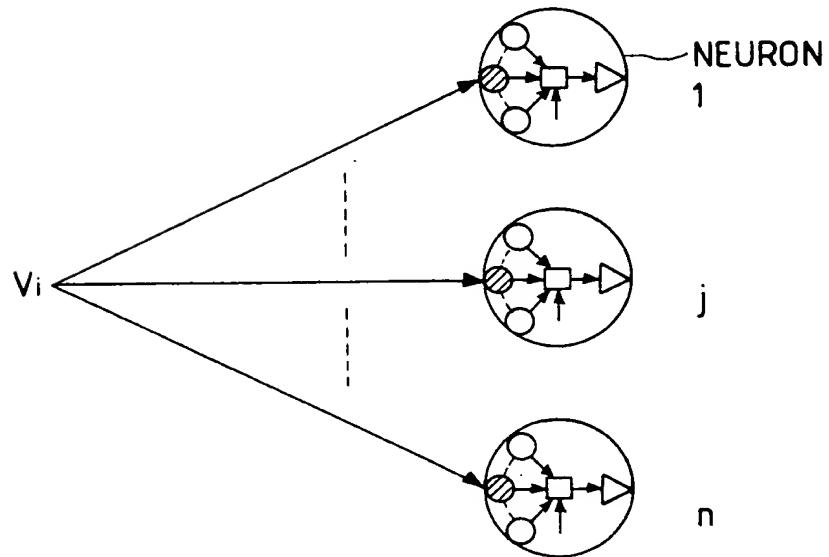




FIG. 7(a)

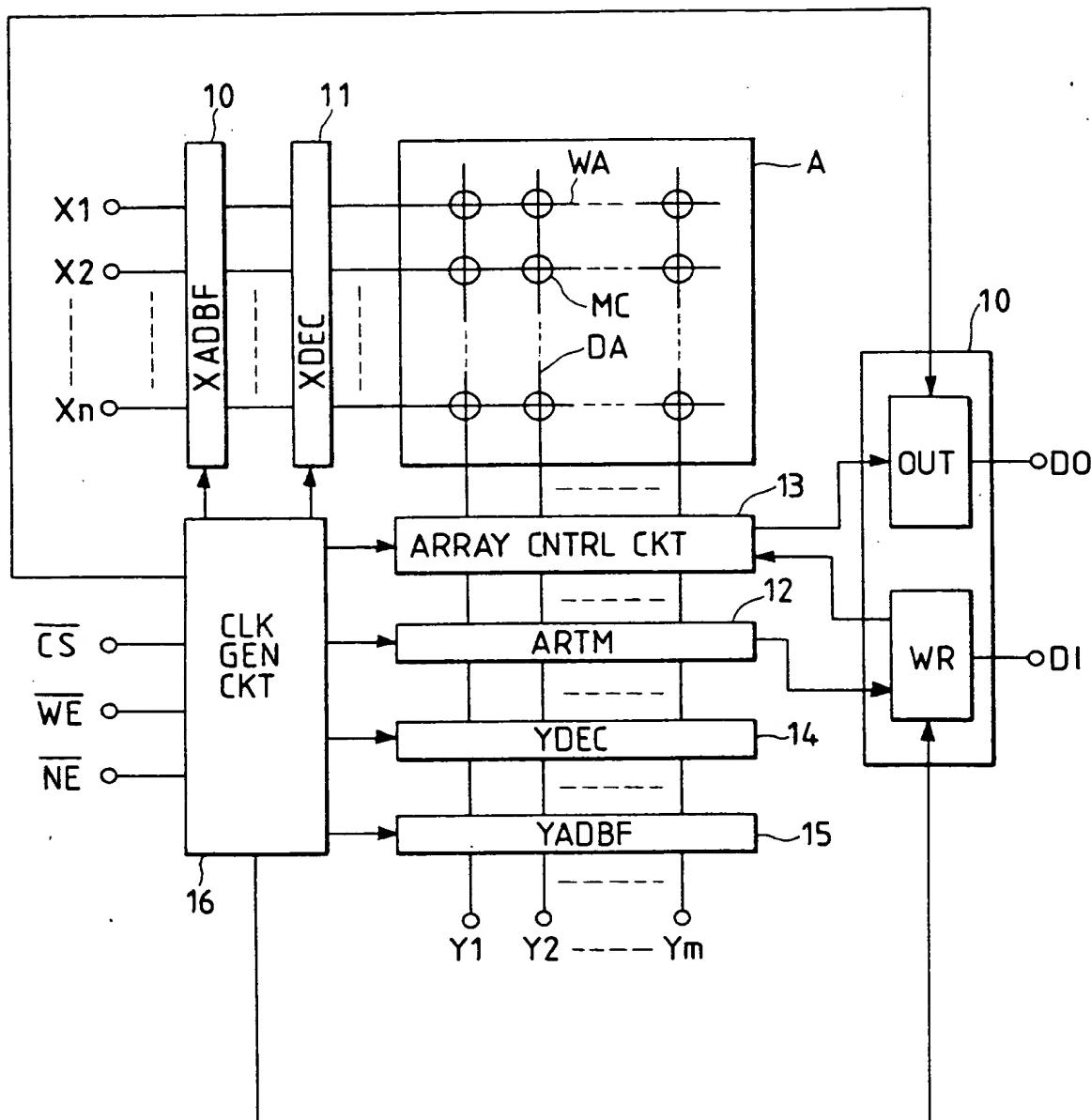
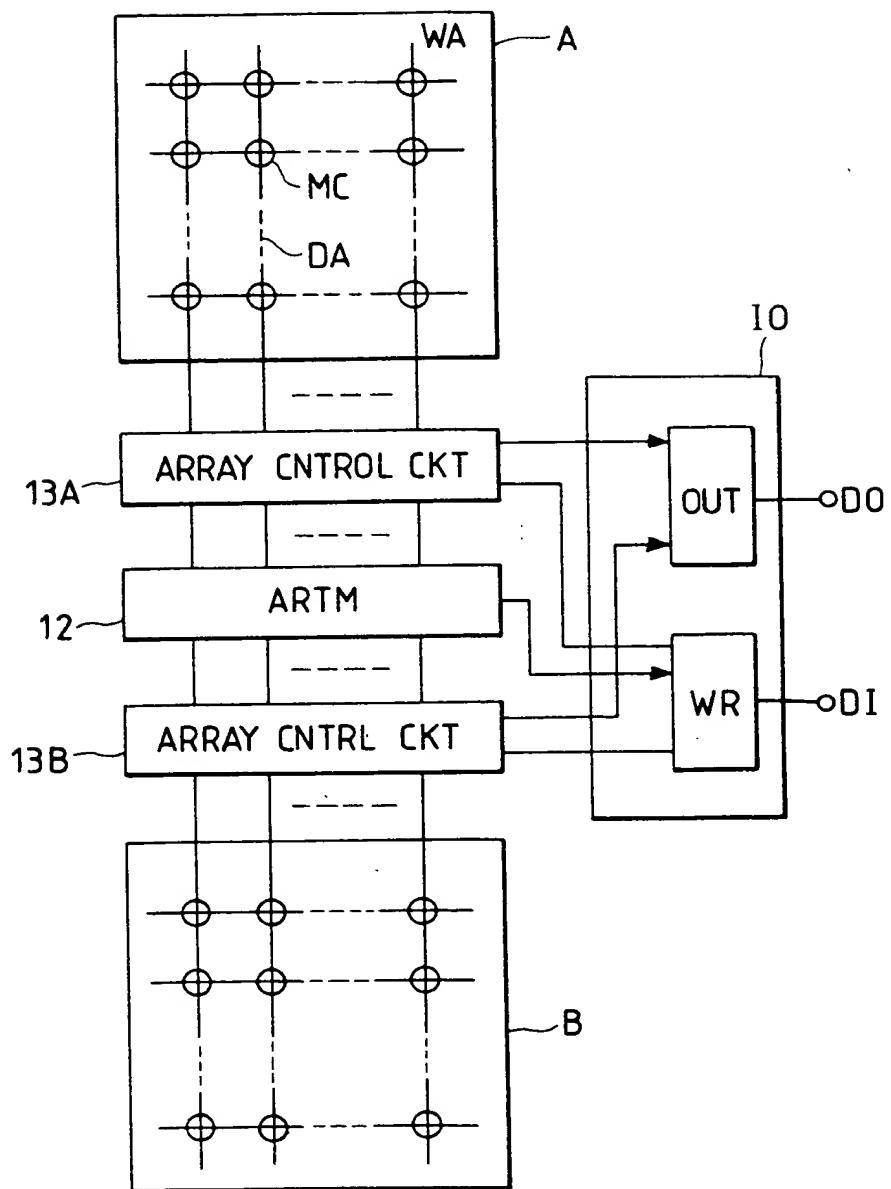


FIG. 7(b)



009239758 - 01601011

FIG. 8(a)

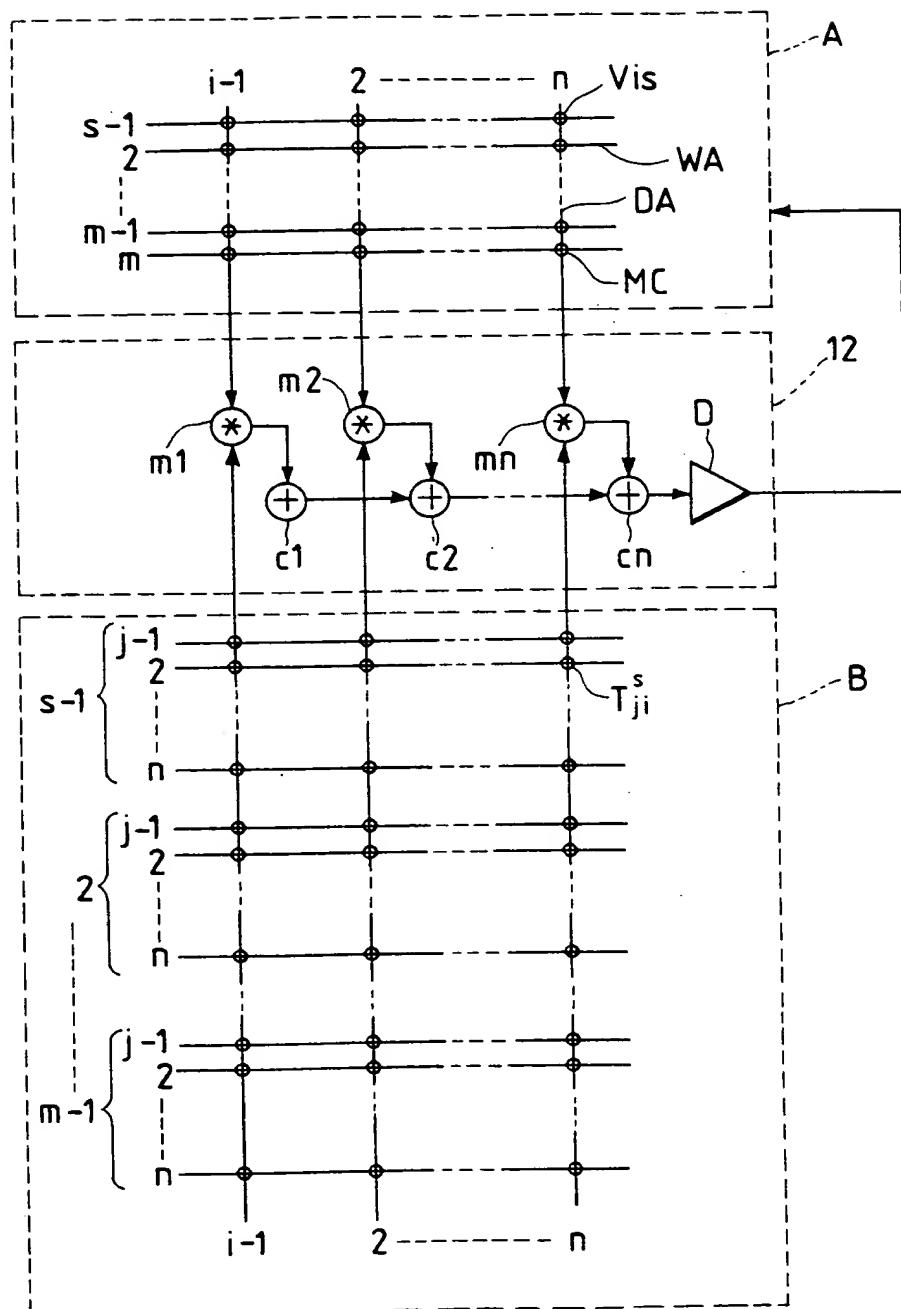


FIG. 8(b)

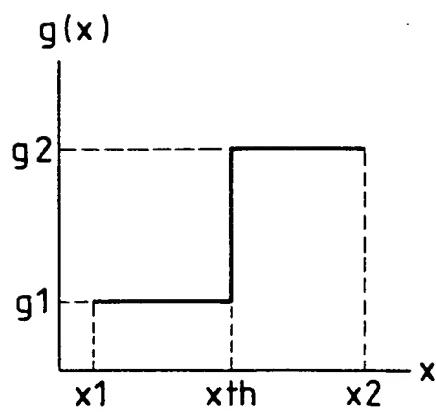


FIG. 8(c)

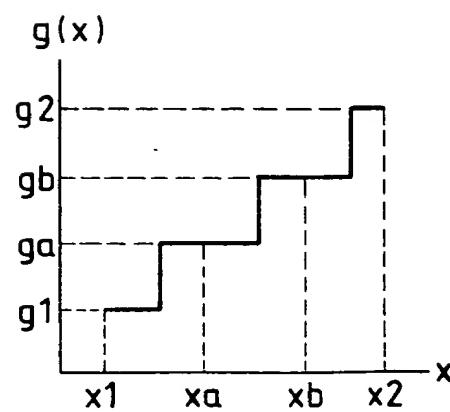


FIG. 8(d)

SELECTED WORD LINE		WRITE ADDRESS
ARRAY A s	ARRAY B (s, j)	ARRAY A (s, i)
1	(1, 1)	(2, 1)
1	(1, 2)	(2, 2)
⋮	⋮	⋮
1	(1, n)	(2, n)
2	(2, 1)	(3, 1)
2	(2, 2)	(3, 2)
⋮	⋮	⋮
2	(2, n)	(3, n)
$m - 1$	( $m - 1, 1$ )	( $m, 1$ )
$m - 1$	( $m - 1, 2$ )	( $m, 2$ )
⋮	⋮	⋮
$m - 1$	( $m - 1, m$ )	( $m, n$ )

FIG. 9(a)

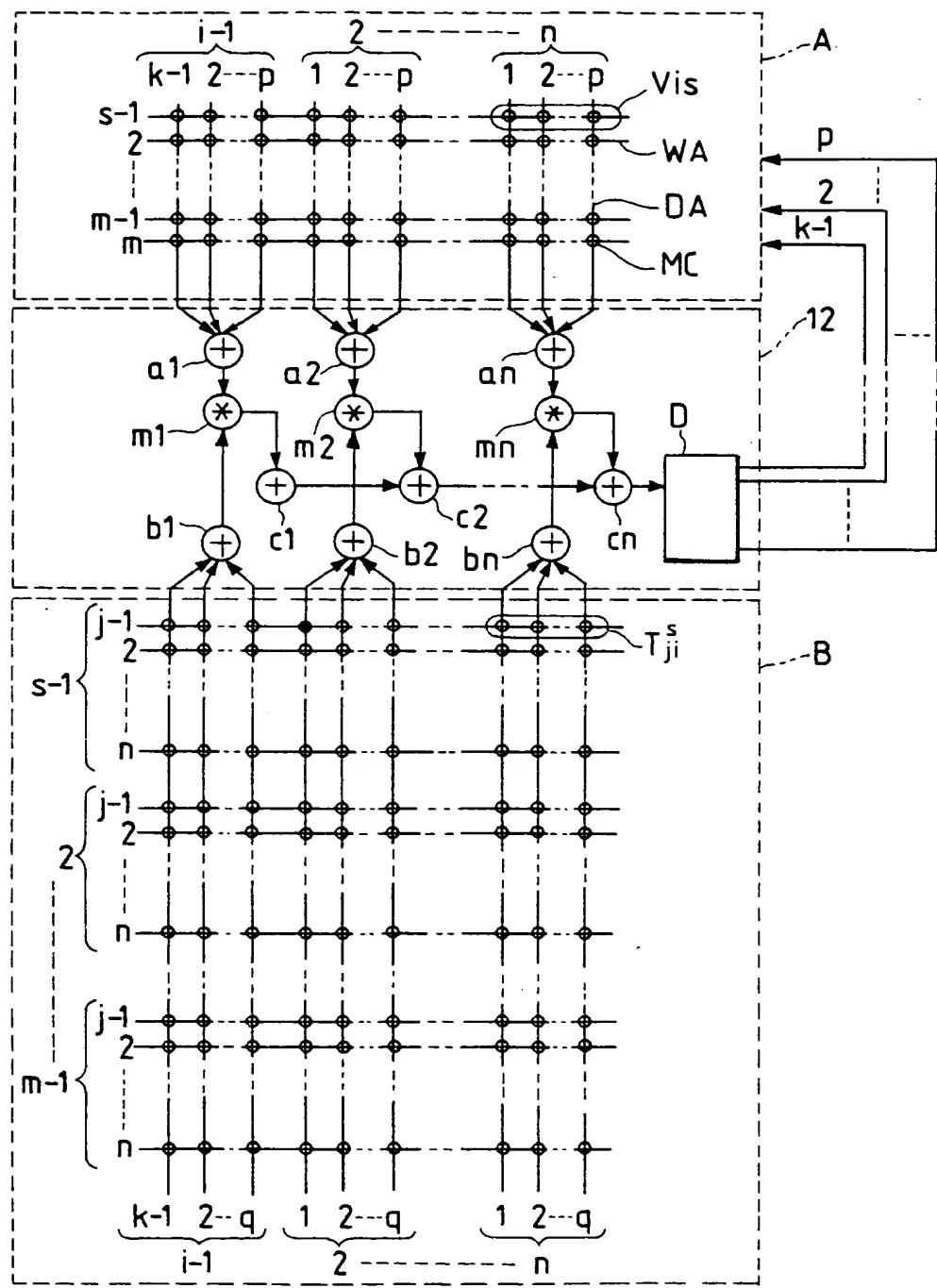


FIG. 9(b)

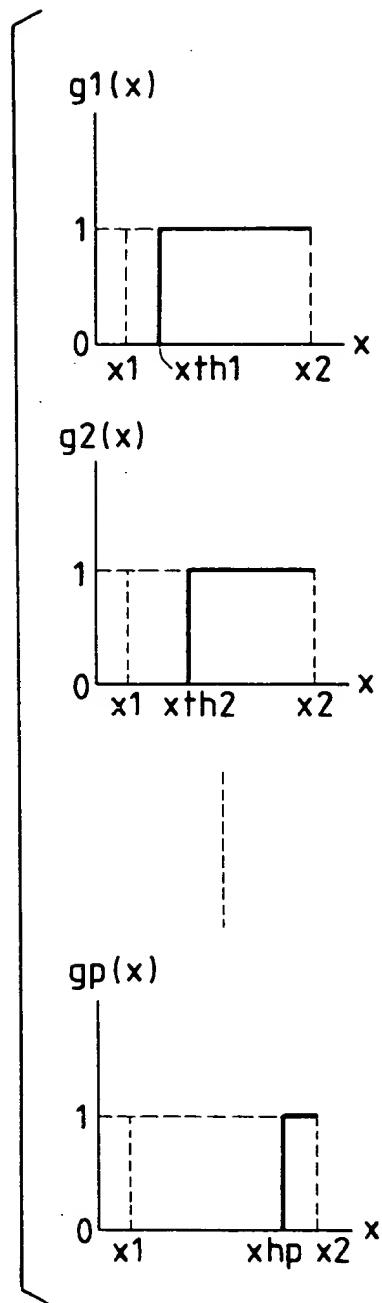


FIG. 9(c)

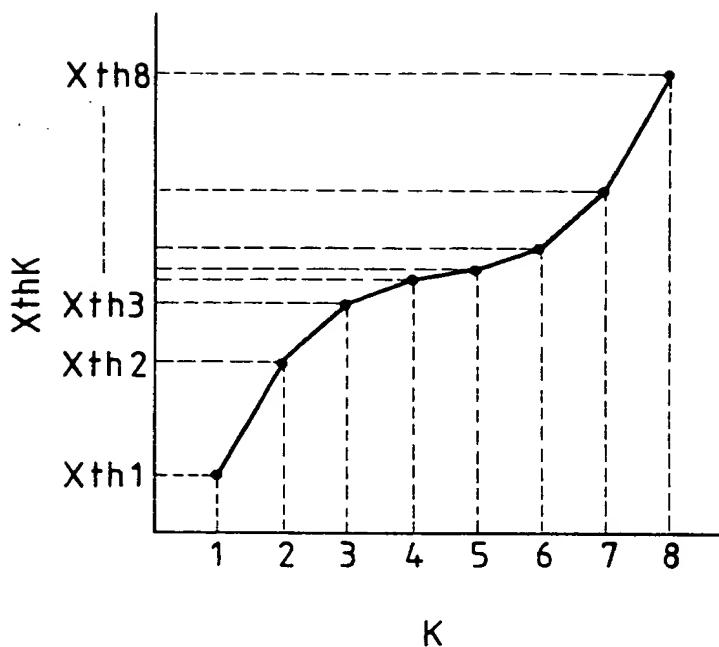


FIG. 10(a)

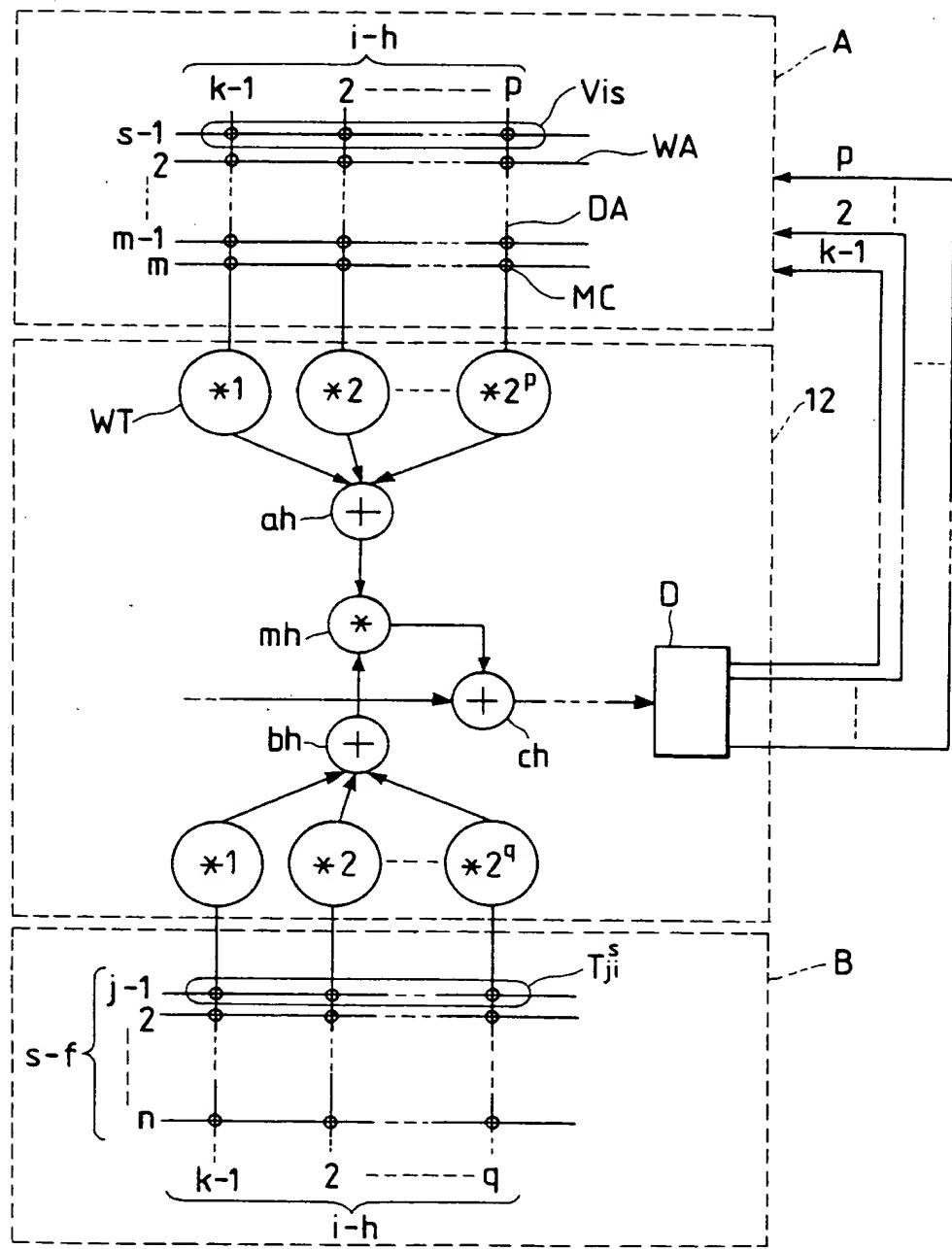


FIG. 10(b)

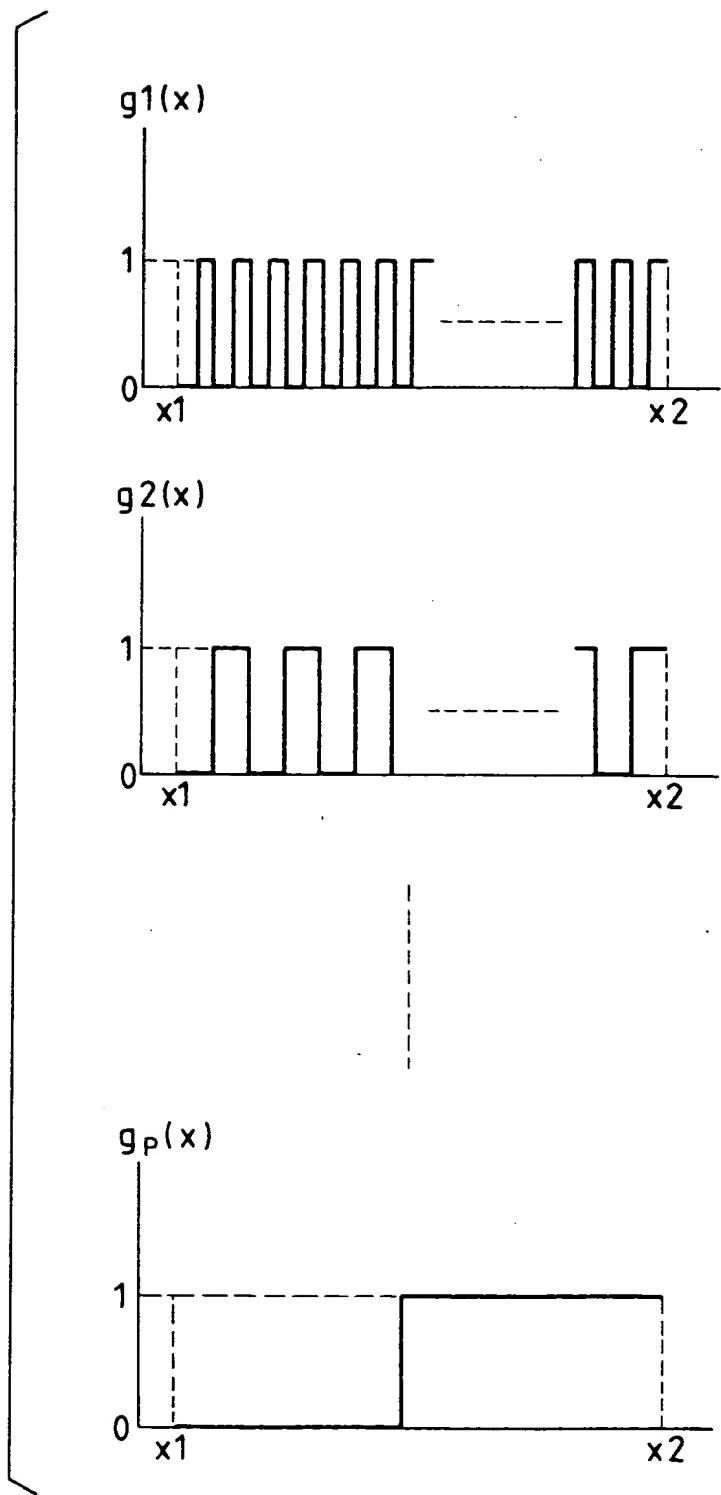


FIG. 11

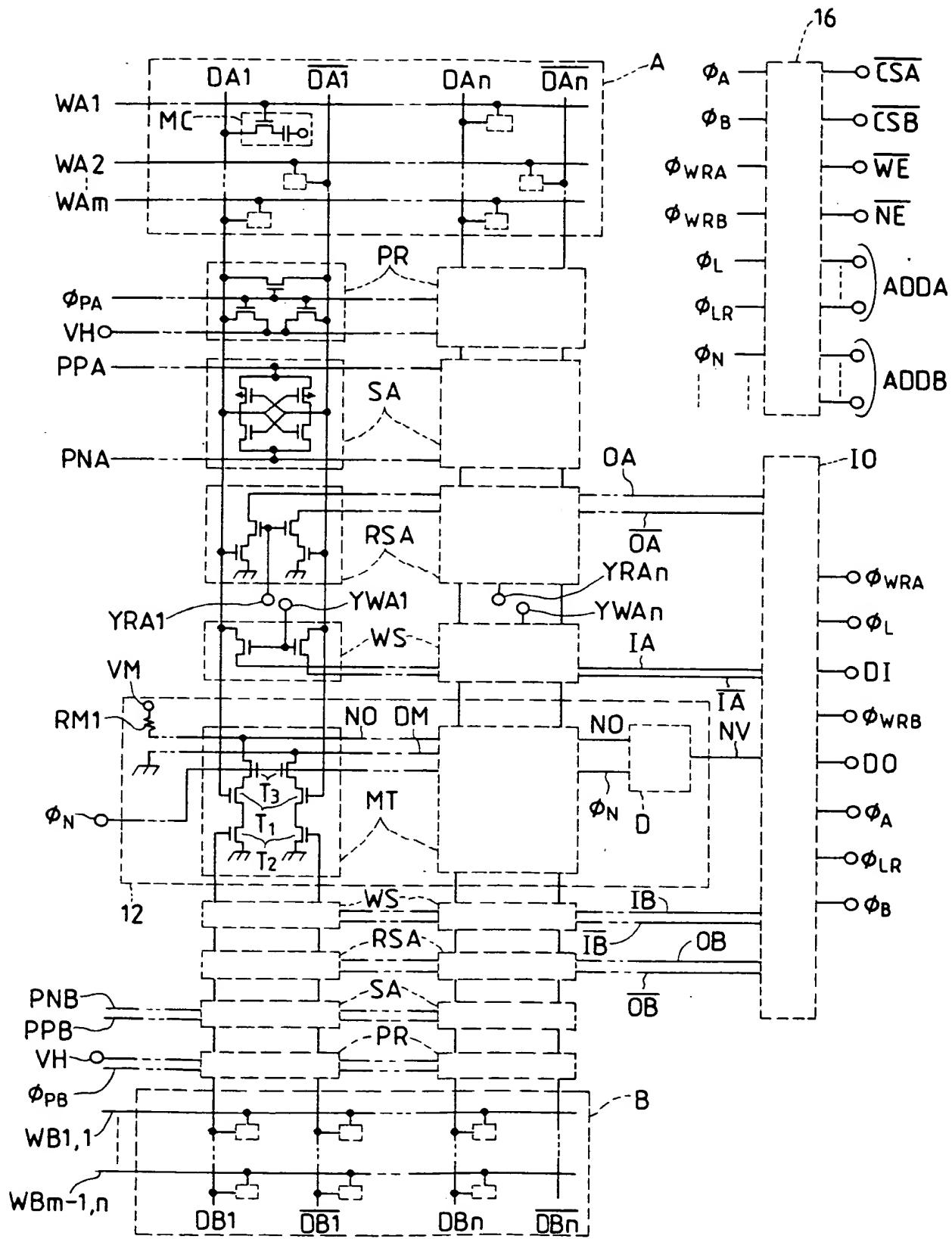


FIG. 12

SIGNAL \ MODE	MEMORY MODE				ARITHMETIC MODE	
	AR	AW	BR	BW	NR	NW
CSA	L	L	H	H	L	L
CSB	H	H	L	L	L	H
WE	H	L	H	L	H	L
NE	H	H	H	H	L	L
ADDRESS	ADDA	ADDA	ADDB	ADDB	ADDA ADDB	ADDA

FIG. 13(a)

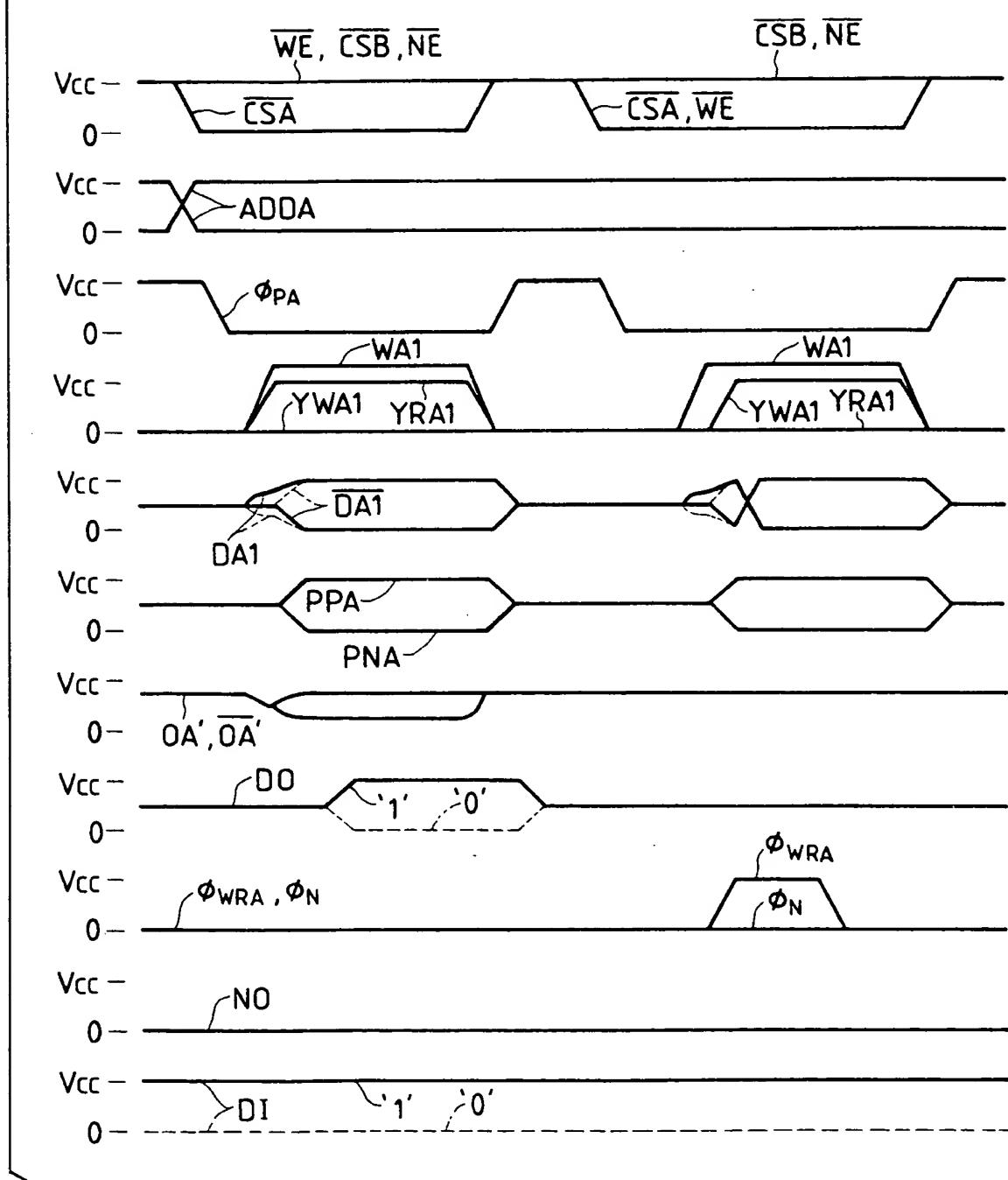


FIG. 13(b)

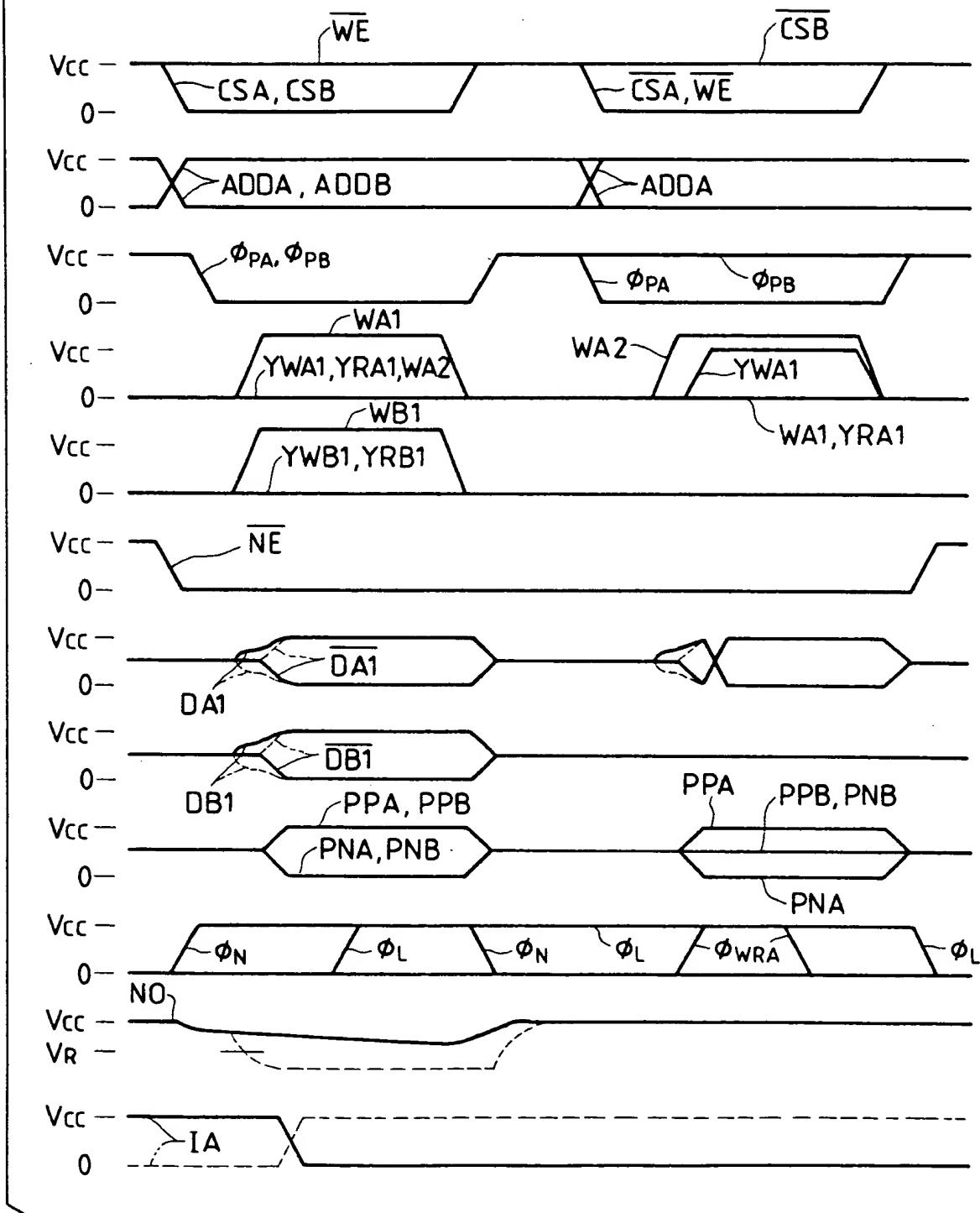


FIG. 14(a)

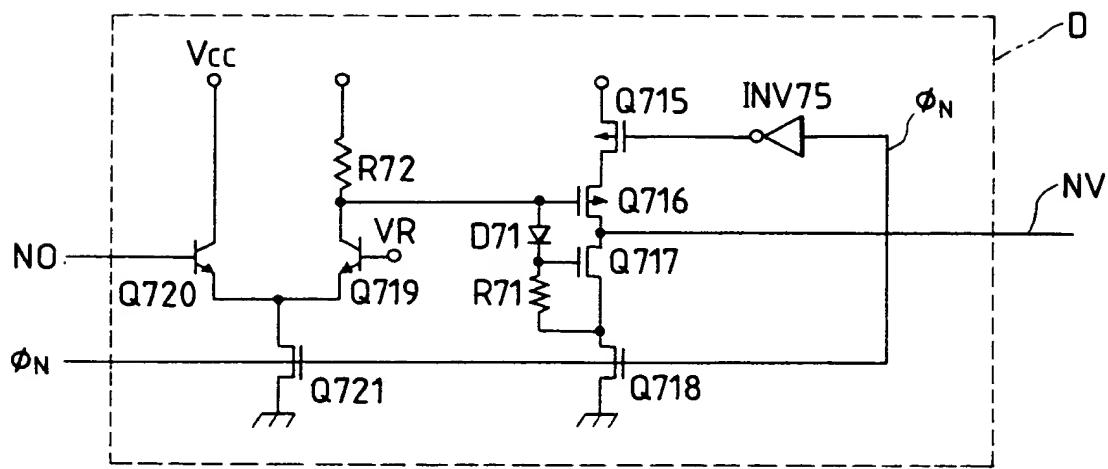


FIG. 14(b)

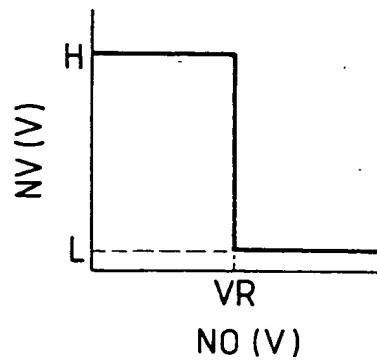


FIG. 14(c)

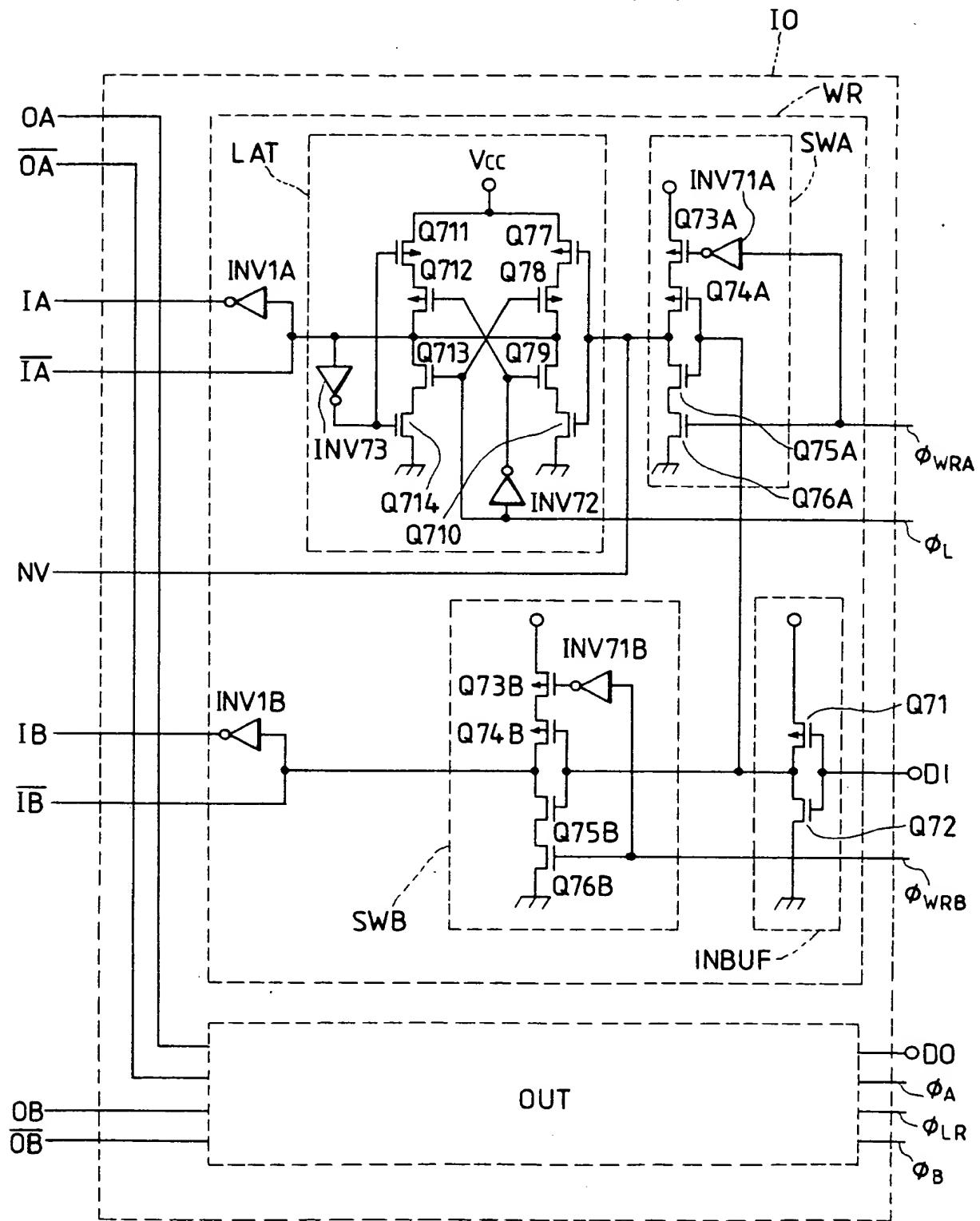


FIG. 14(d)

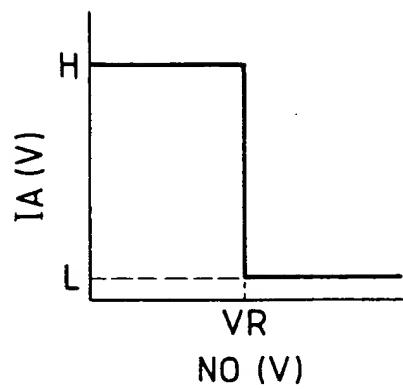


FIG. 14(e)

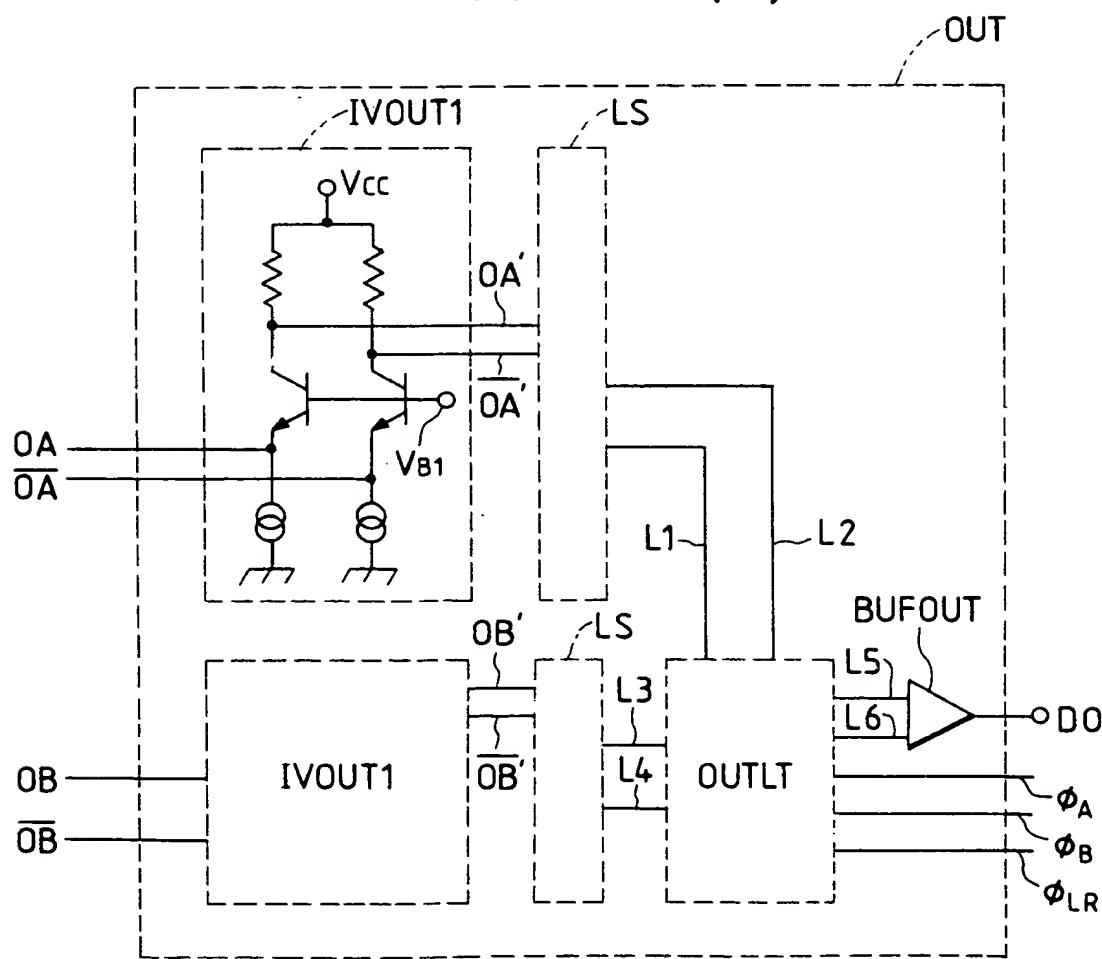


FIG. 14(f)

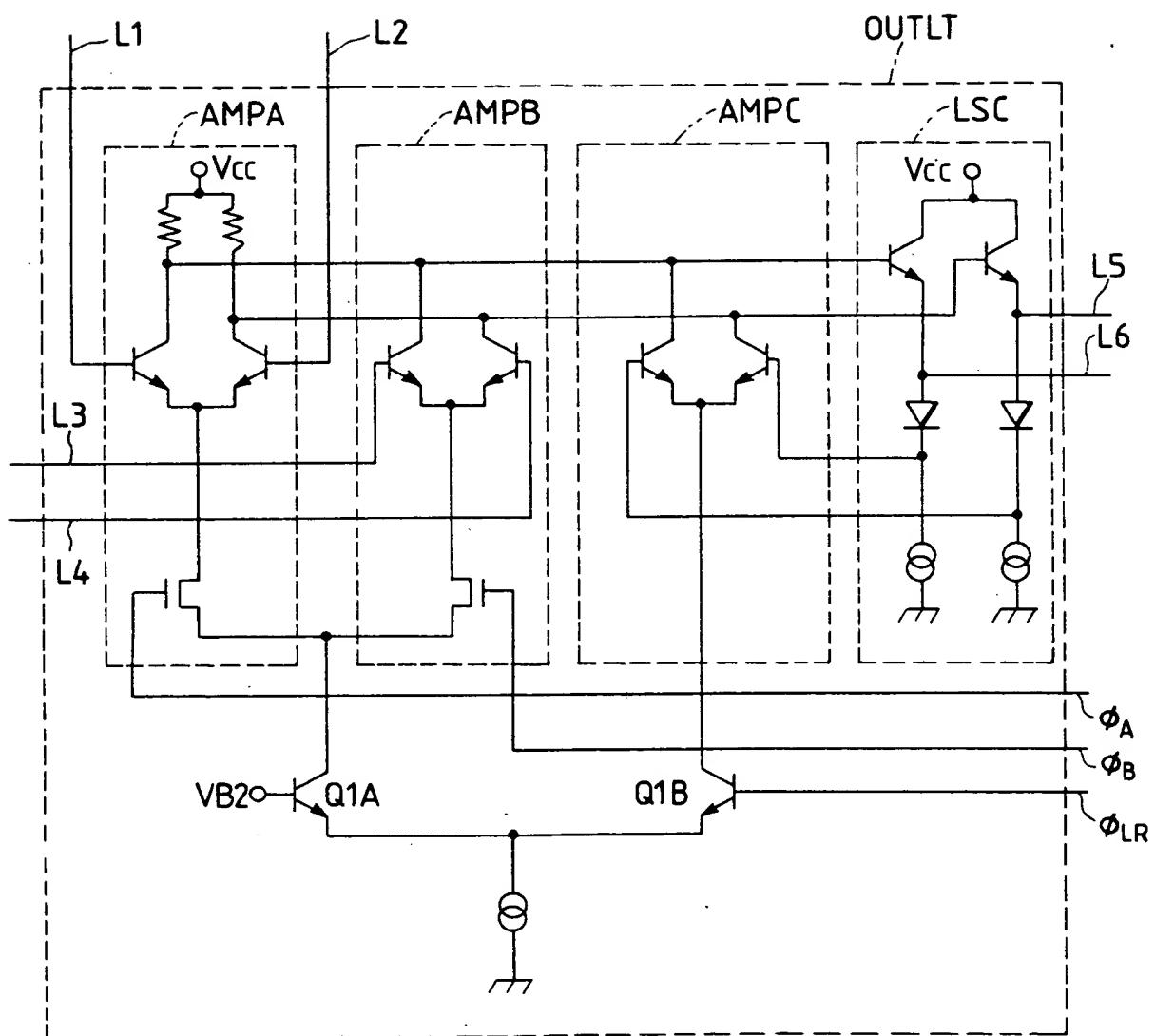
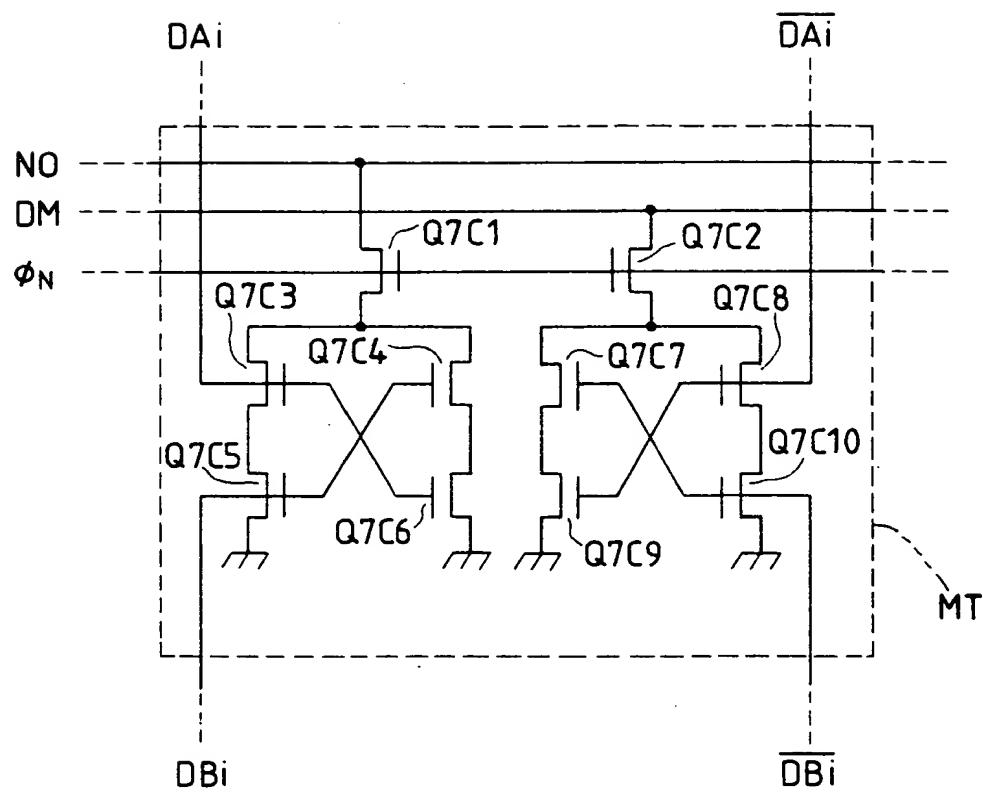


FIG. 15



0097239758 - 06001001

FIG. 16(a)

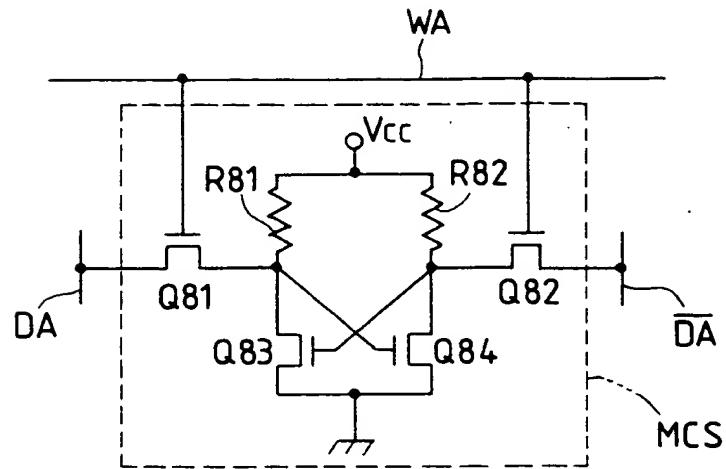


FIG. 16(b)

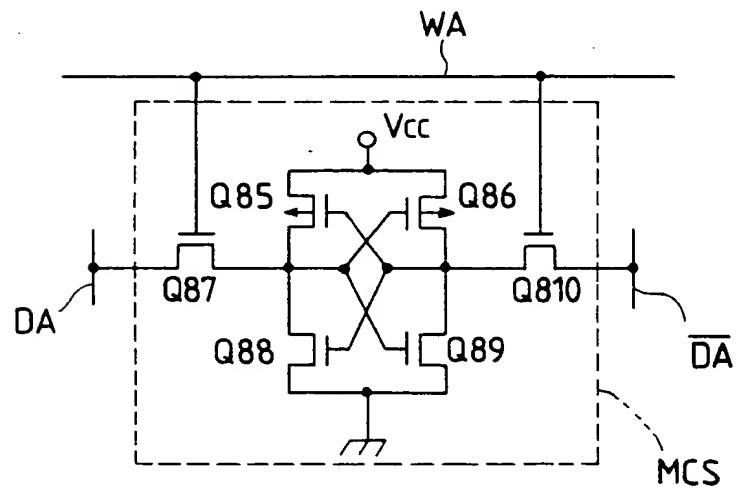


FIG. 16(c)

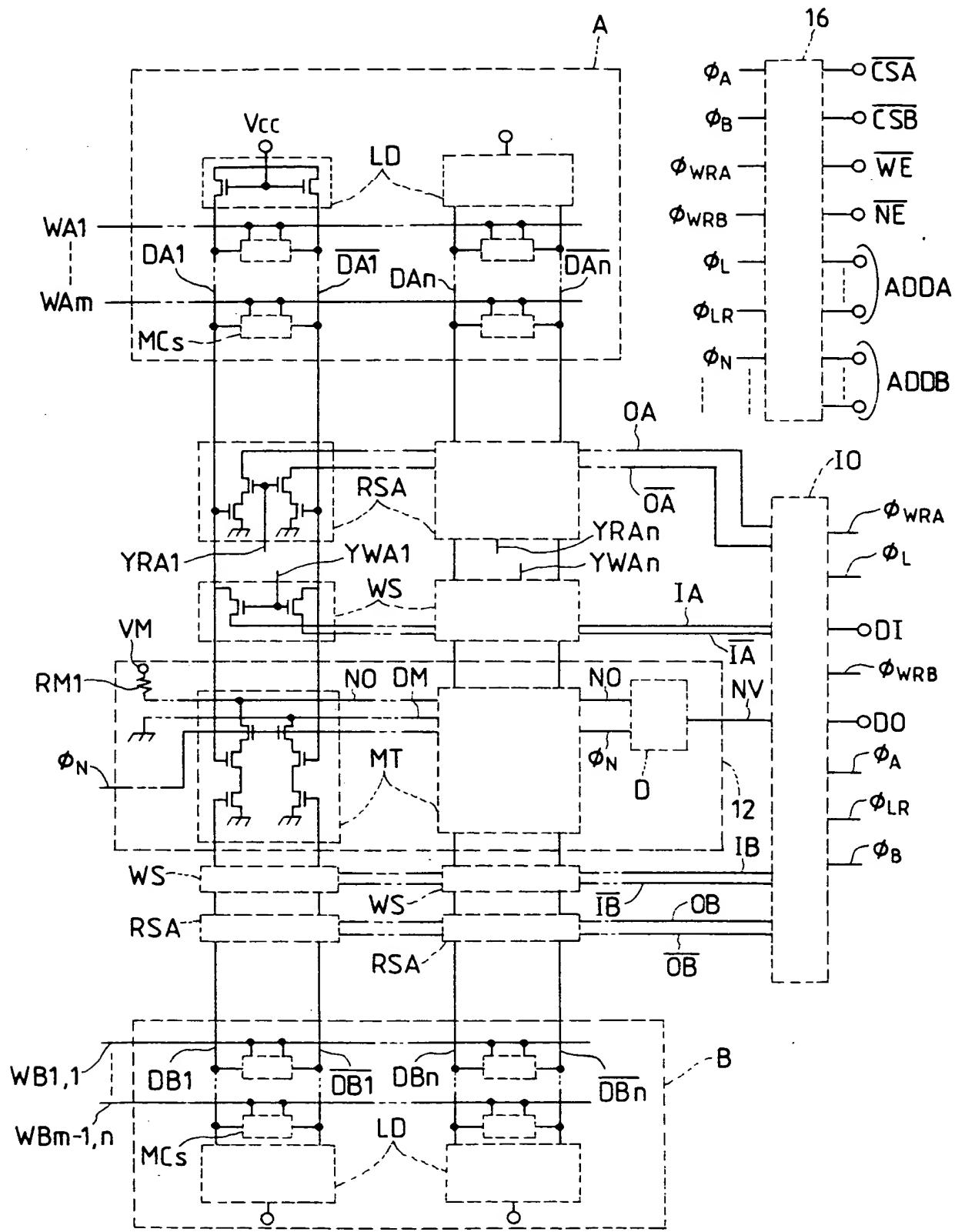


FIG. 17(a)

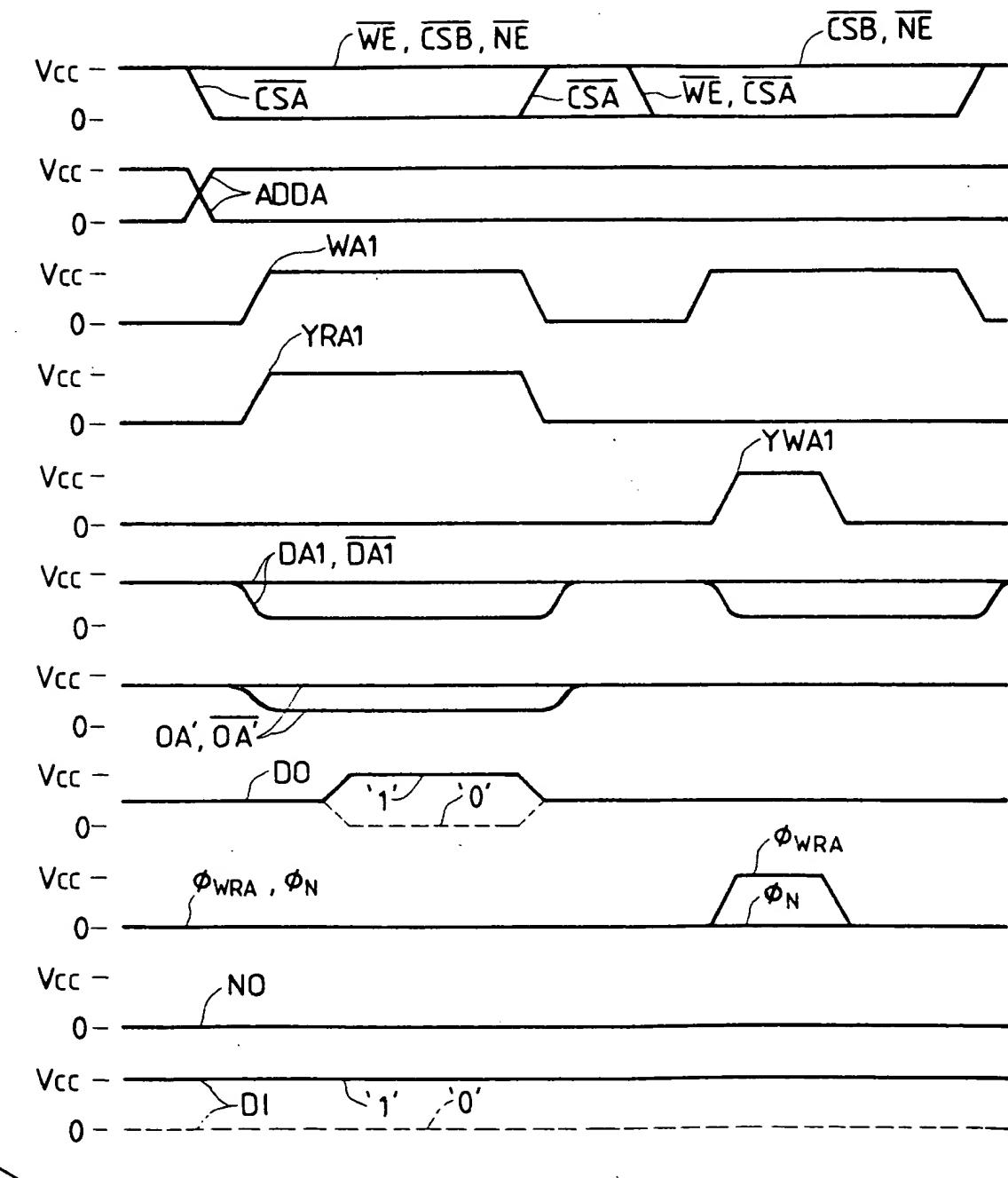


FIG. 17(b)

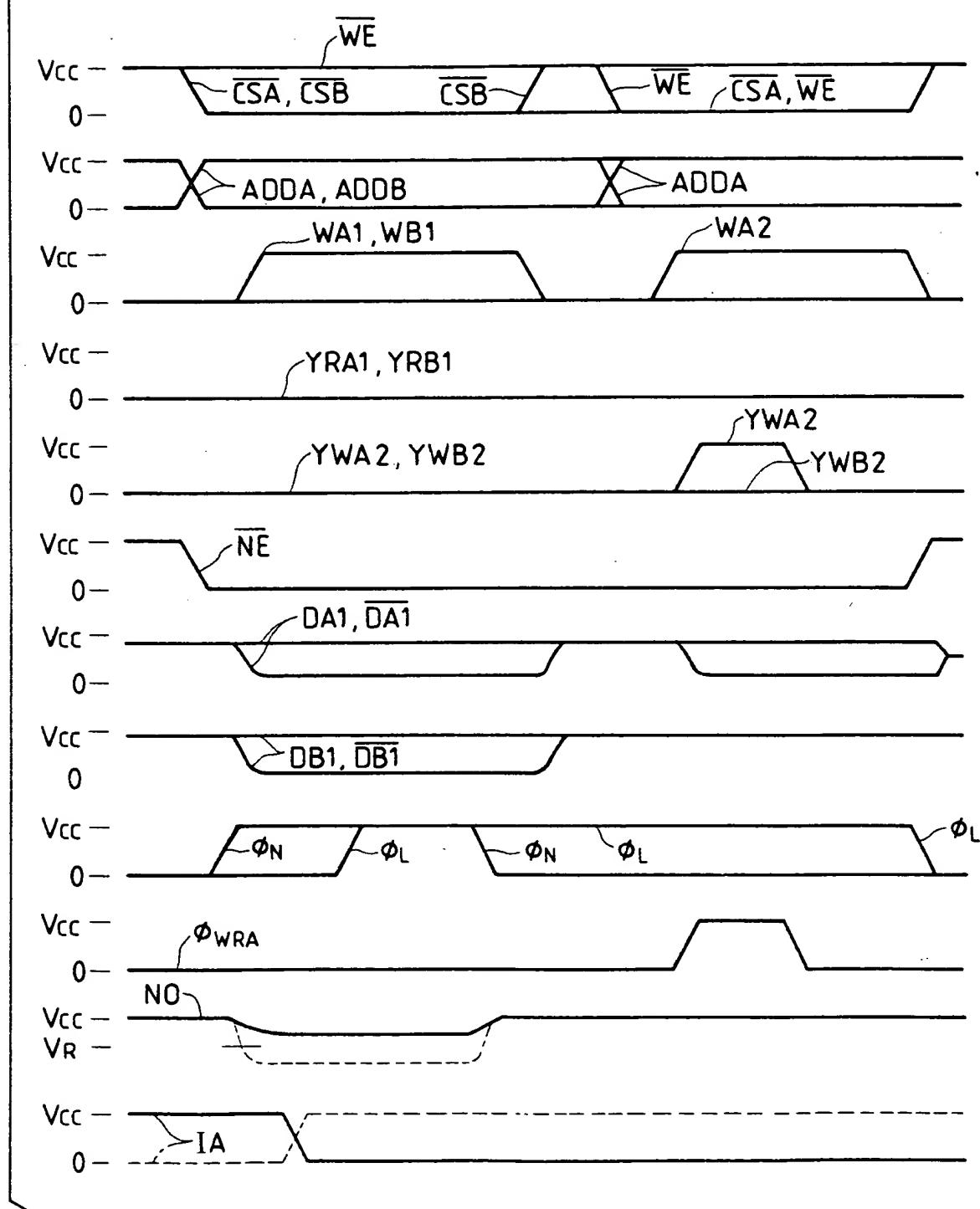


FIG. 18(a)

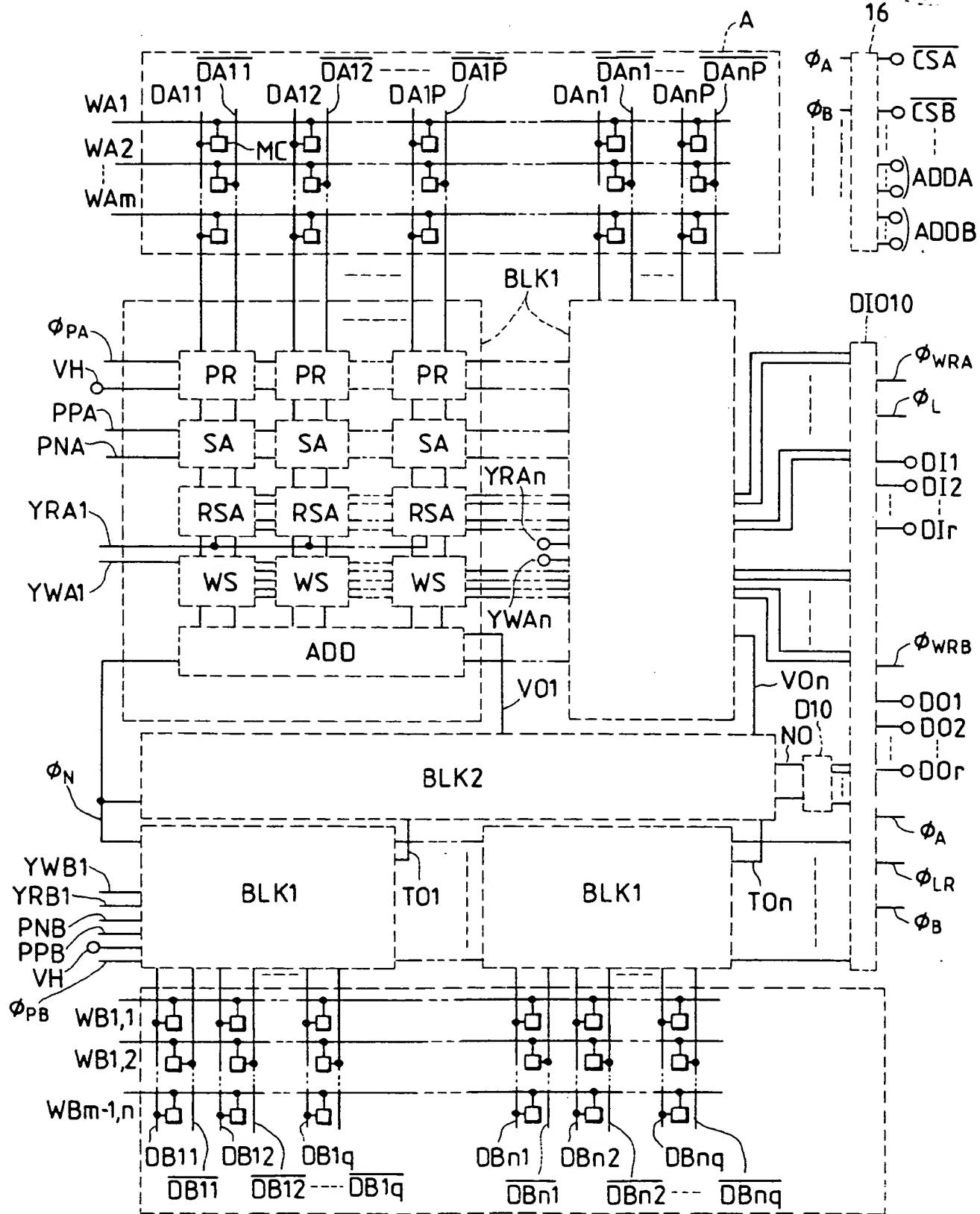


FIG. 18(b)

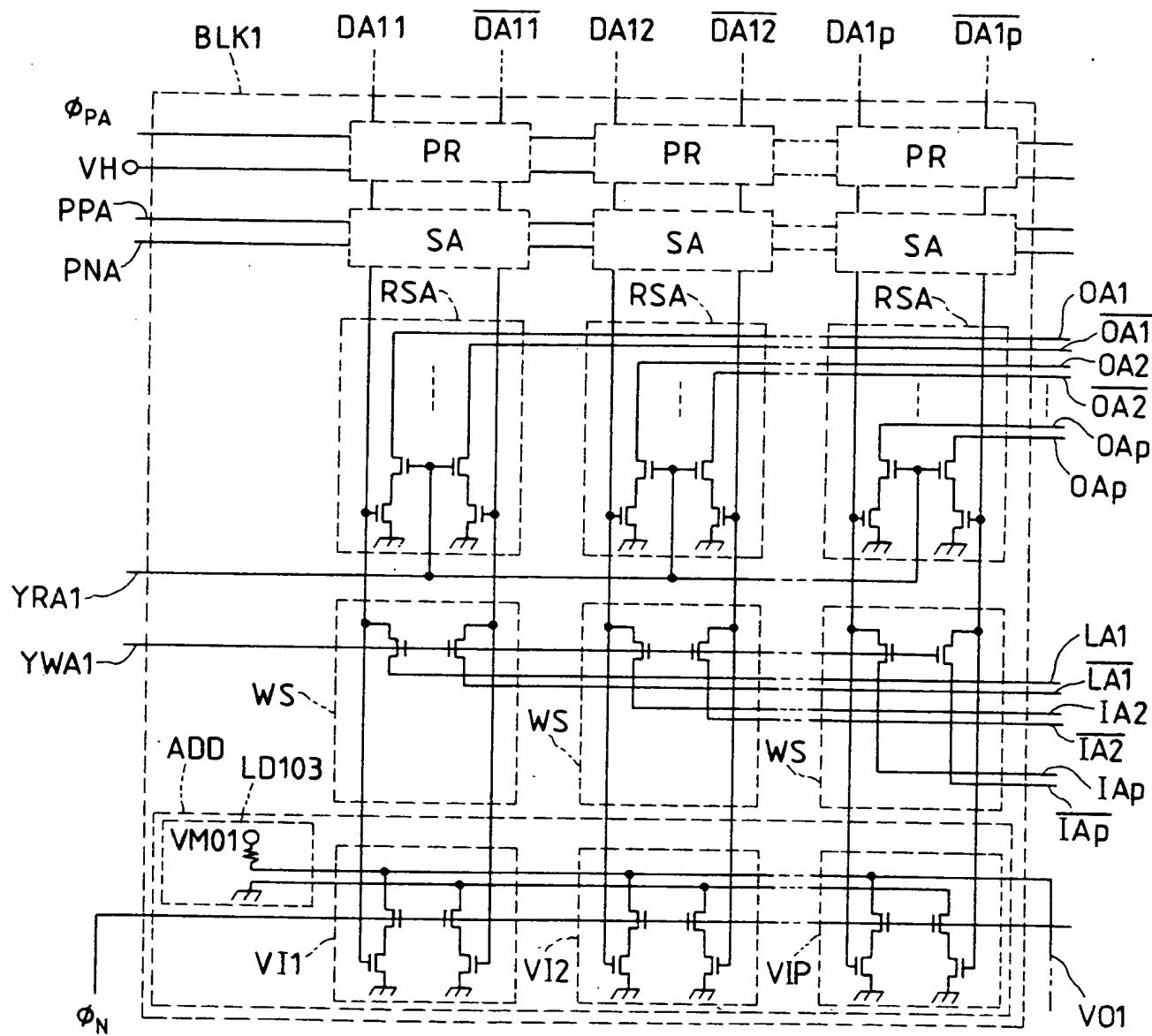


FIG. 18(c)

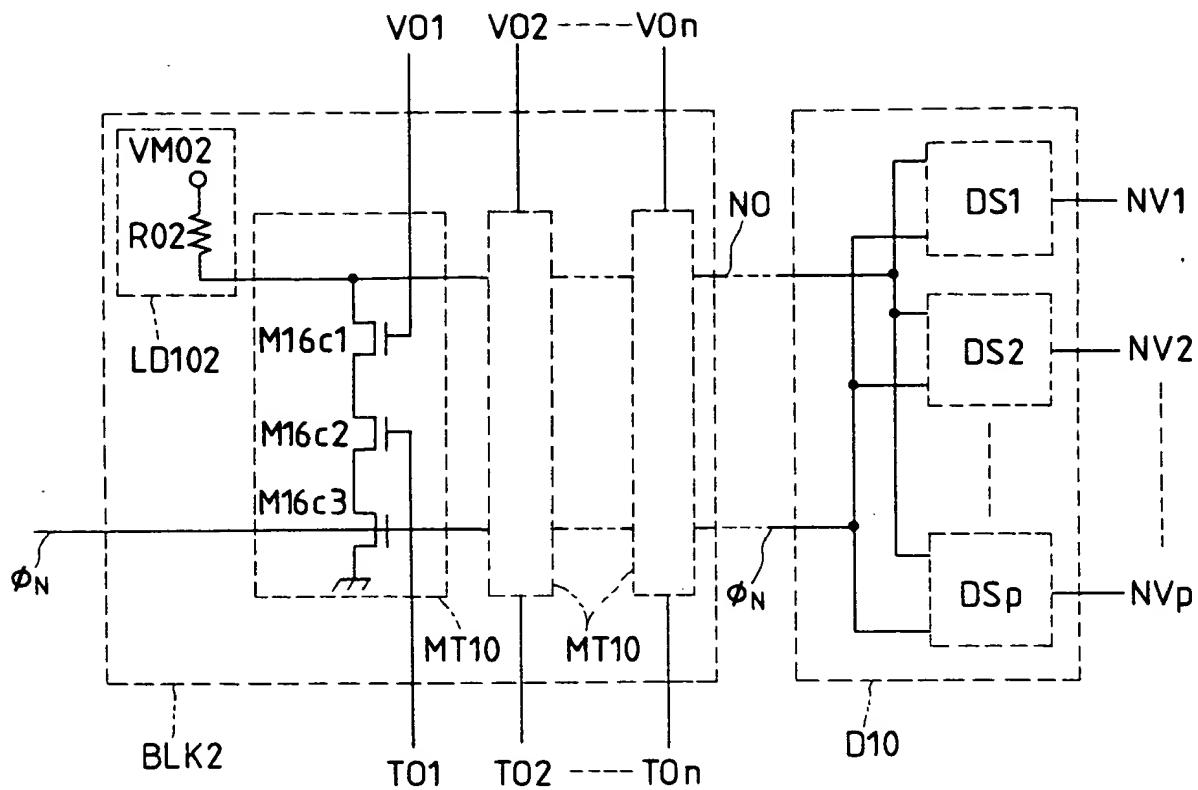


FIG. 18(d)

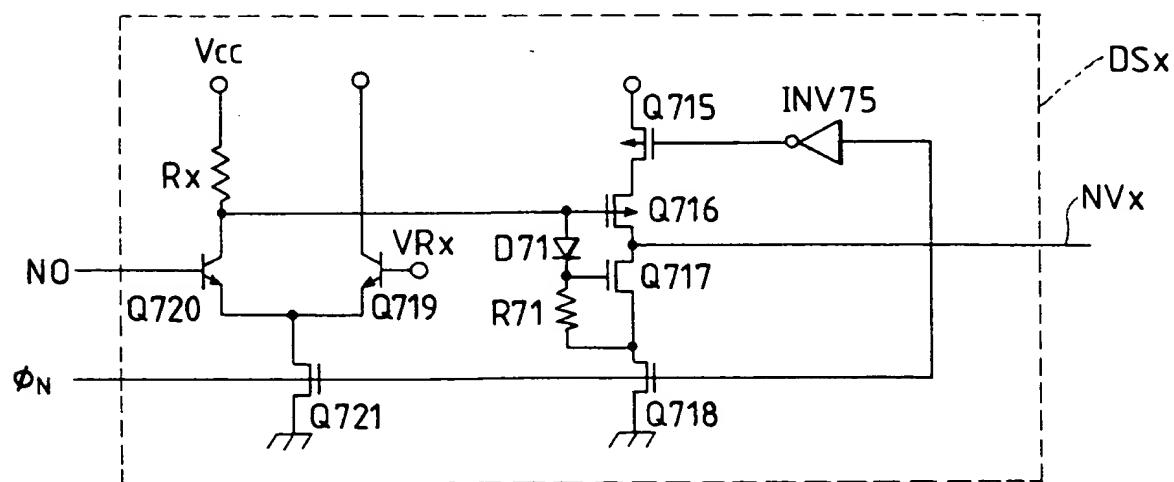


FIG. 18(e)

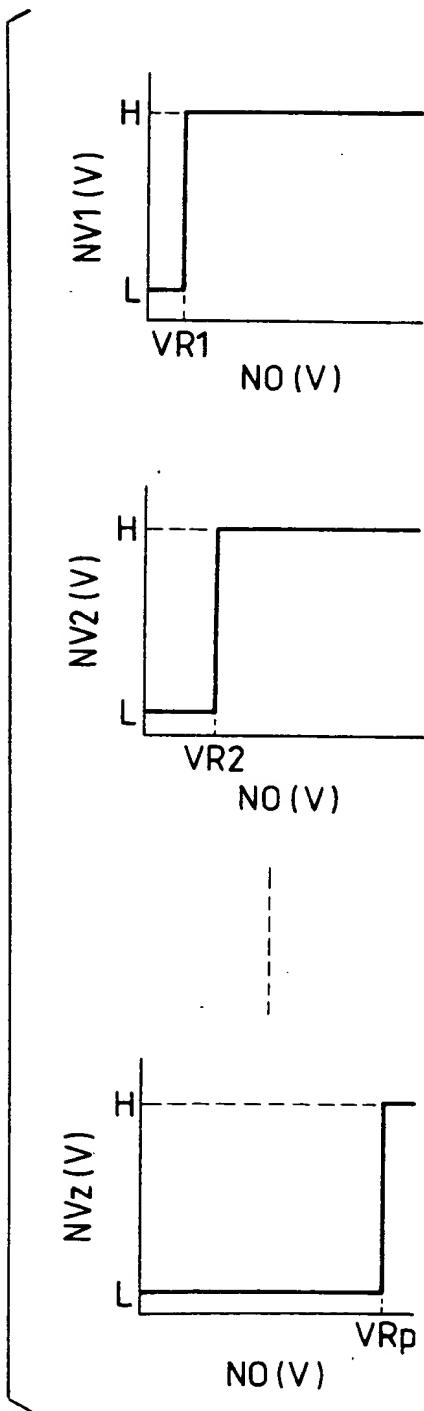


FIG. 19(a)

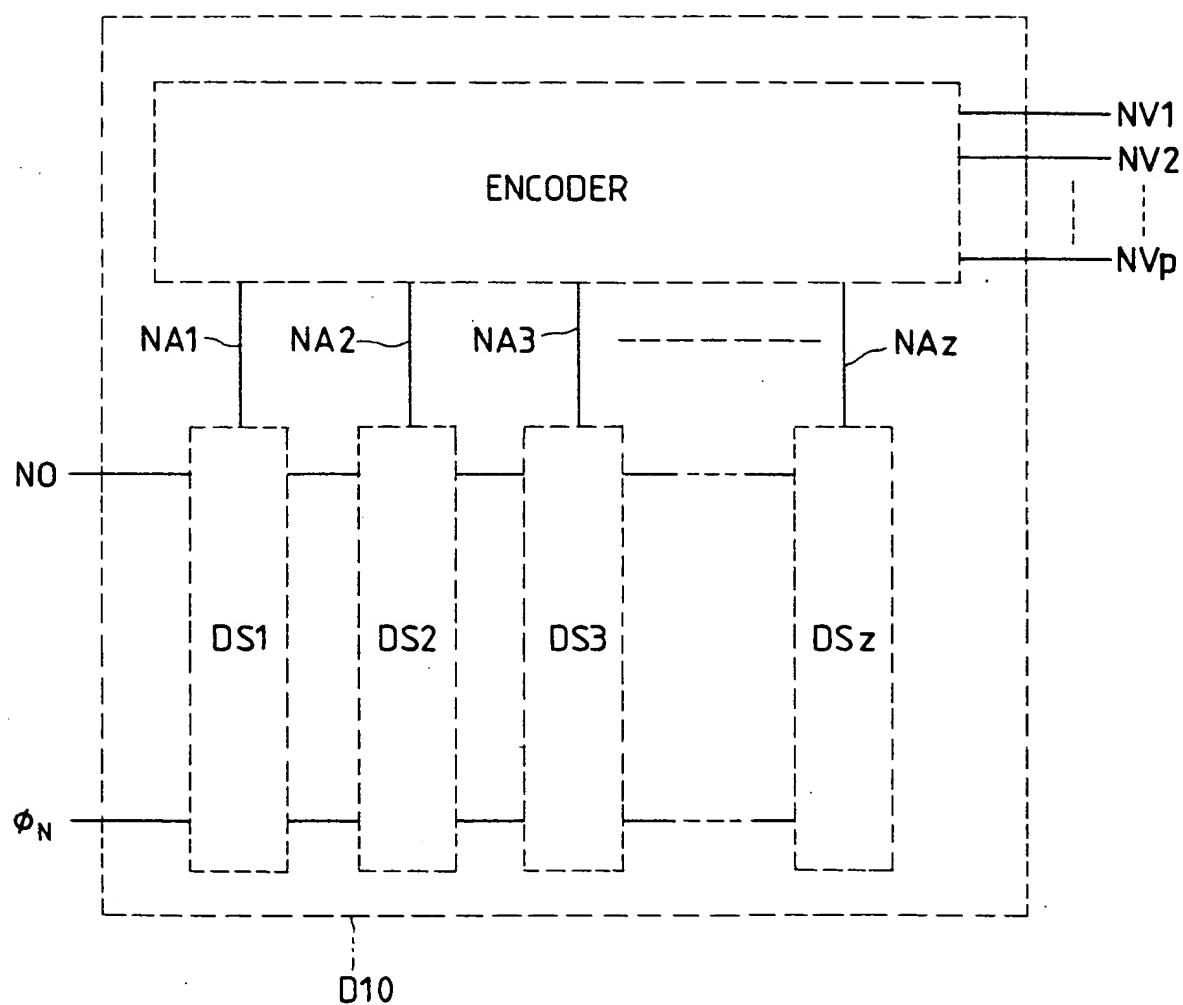
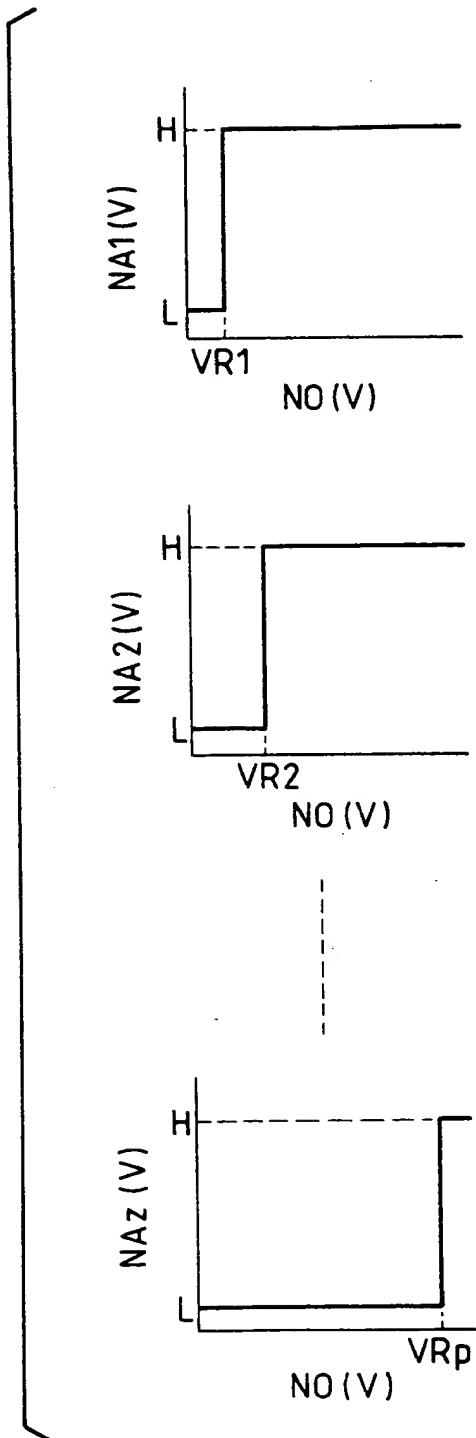


FIG. 19(b)



09739252 - 060101

FIG. 19(c)

ENCODER INPUT							ENCODER OUTPUT						
NA1	NA2	NA3	NA4	---	NAz		NV1	NV2	NV3	NV4	---	NVp	
L	L	L	L	---	L	L	L	L	L	L	---	L	
H	L	L	L	---	L	H	L	L	L	L	---	L	
H	H	L	L	---	L	L	H	L	L	L	---	L	
H	H	H	L	---	L	H	H	L	L	L	---	L	
H	H	H	H	---	L	L	L	H	L	L	---	L	
---	---	---	---	---	---	---	---	---	---	---	---	---	
H	H	H	H	---	H	H	H	H	H	H	---	H	

FIG. 19(d)

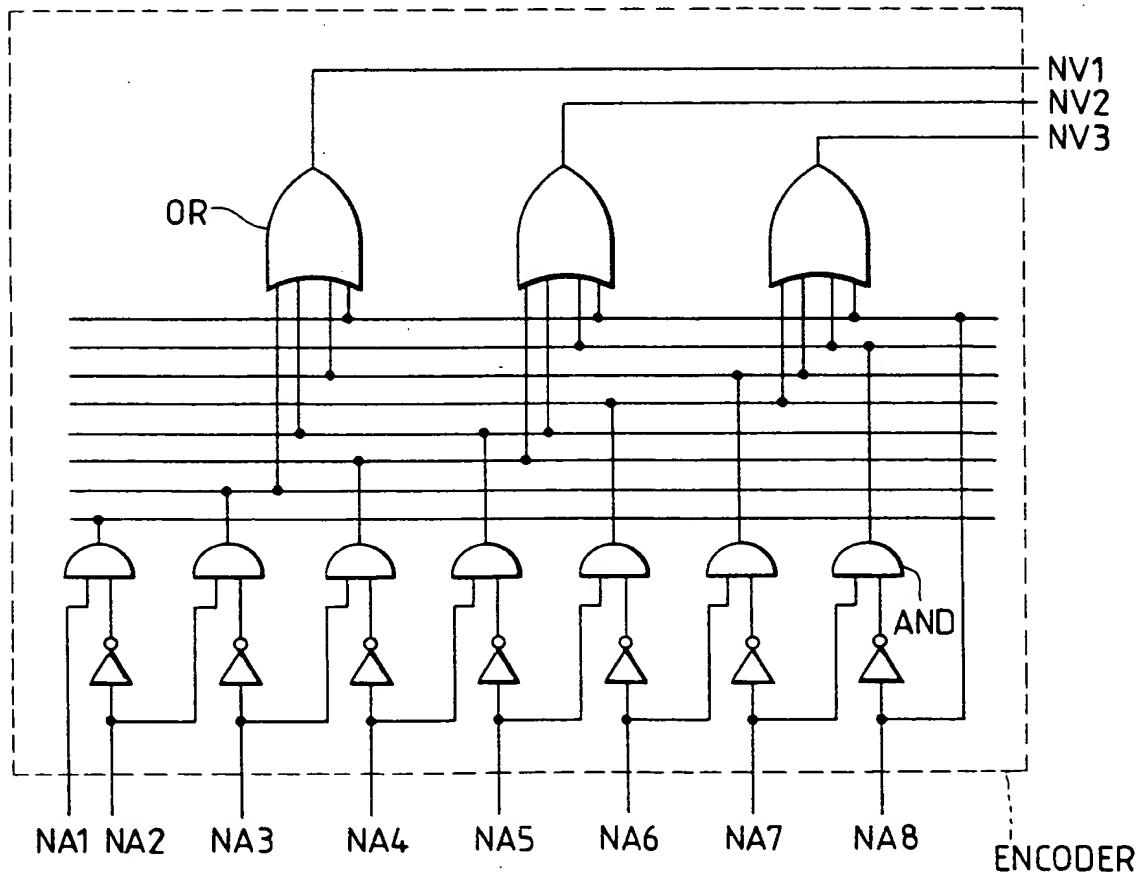


FIG. 20(a)

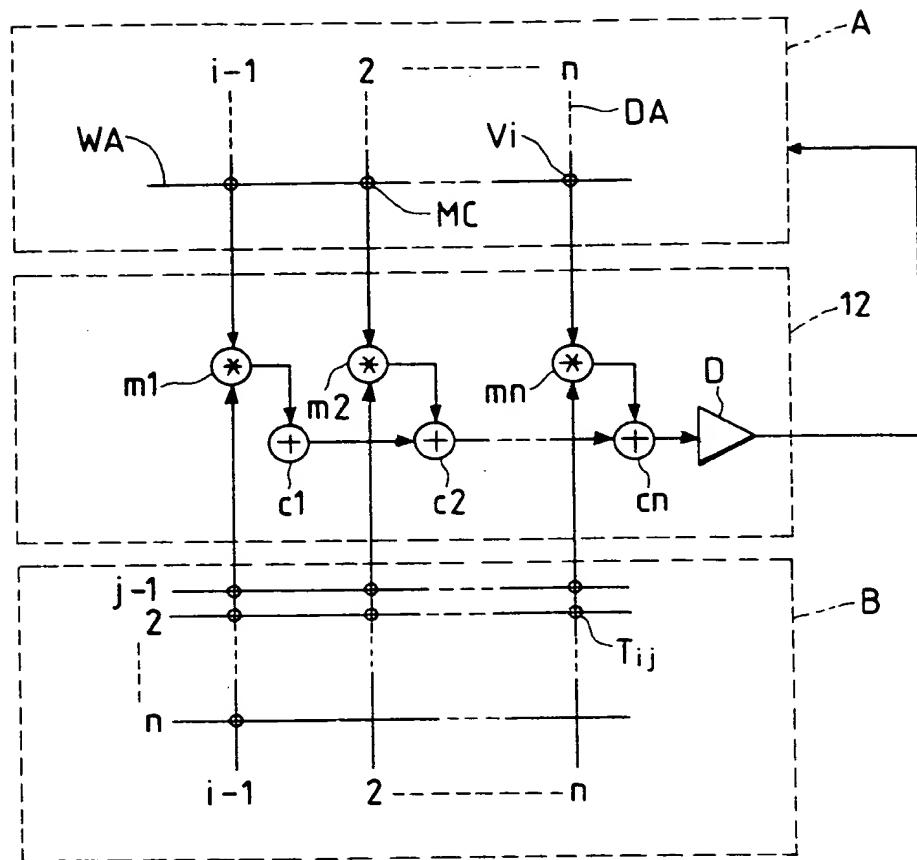


FIG. 20(b)

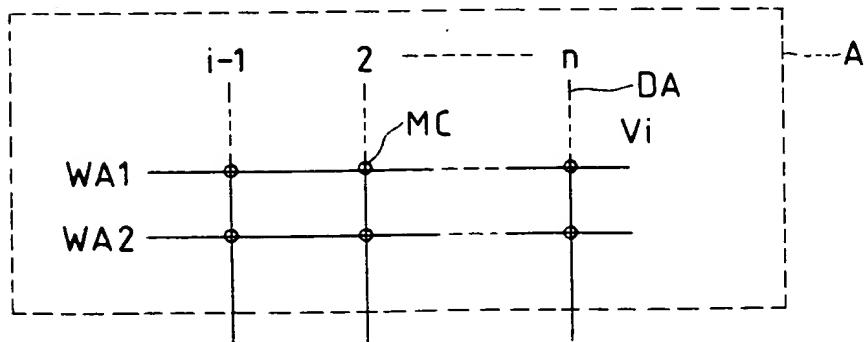


FIG. 21(a)

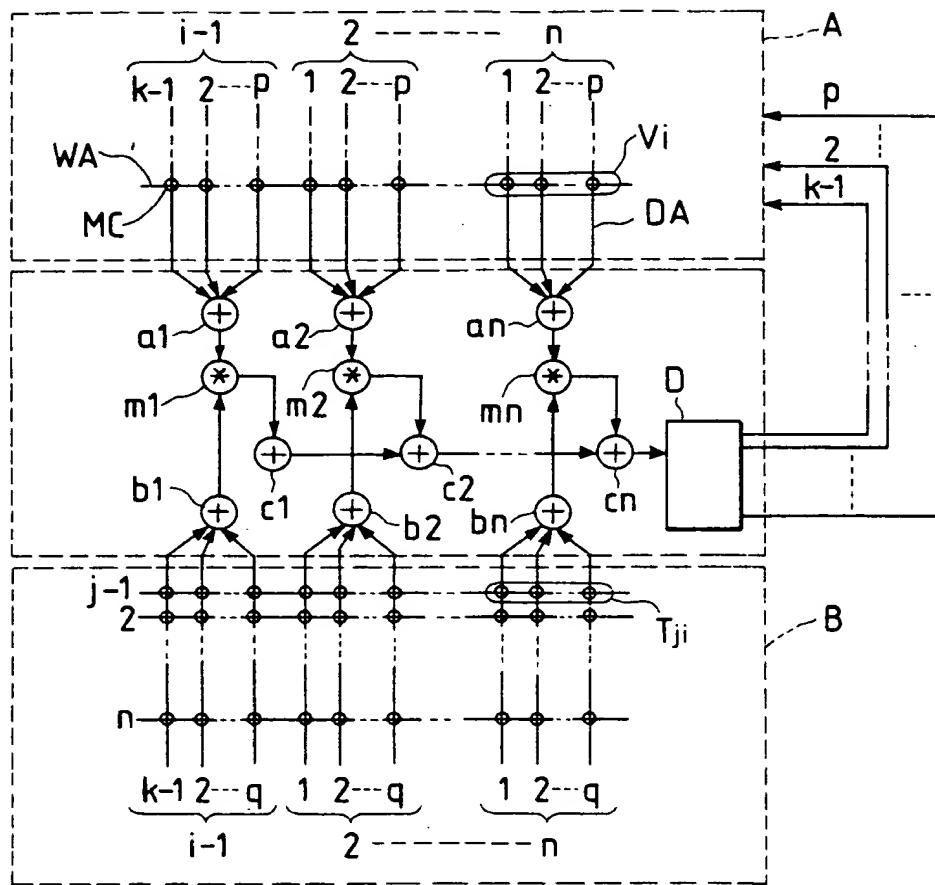


FIG. 21(b)

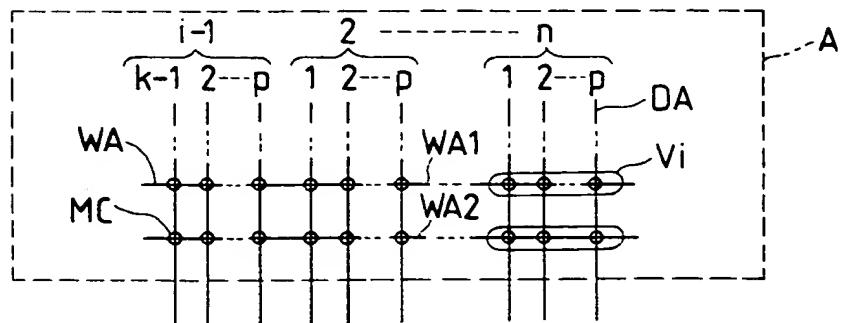


FIG. 22

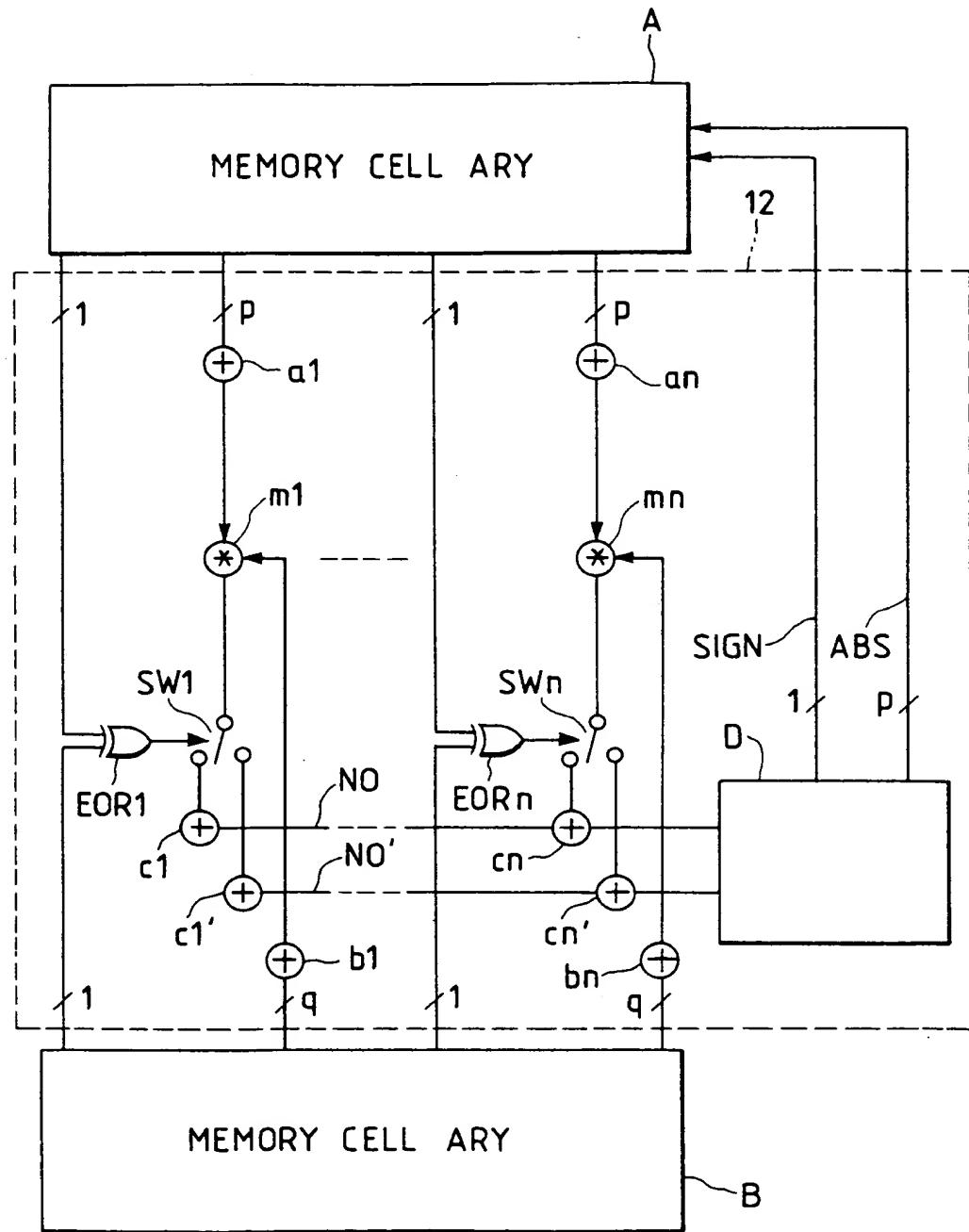


FIG. 23

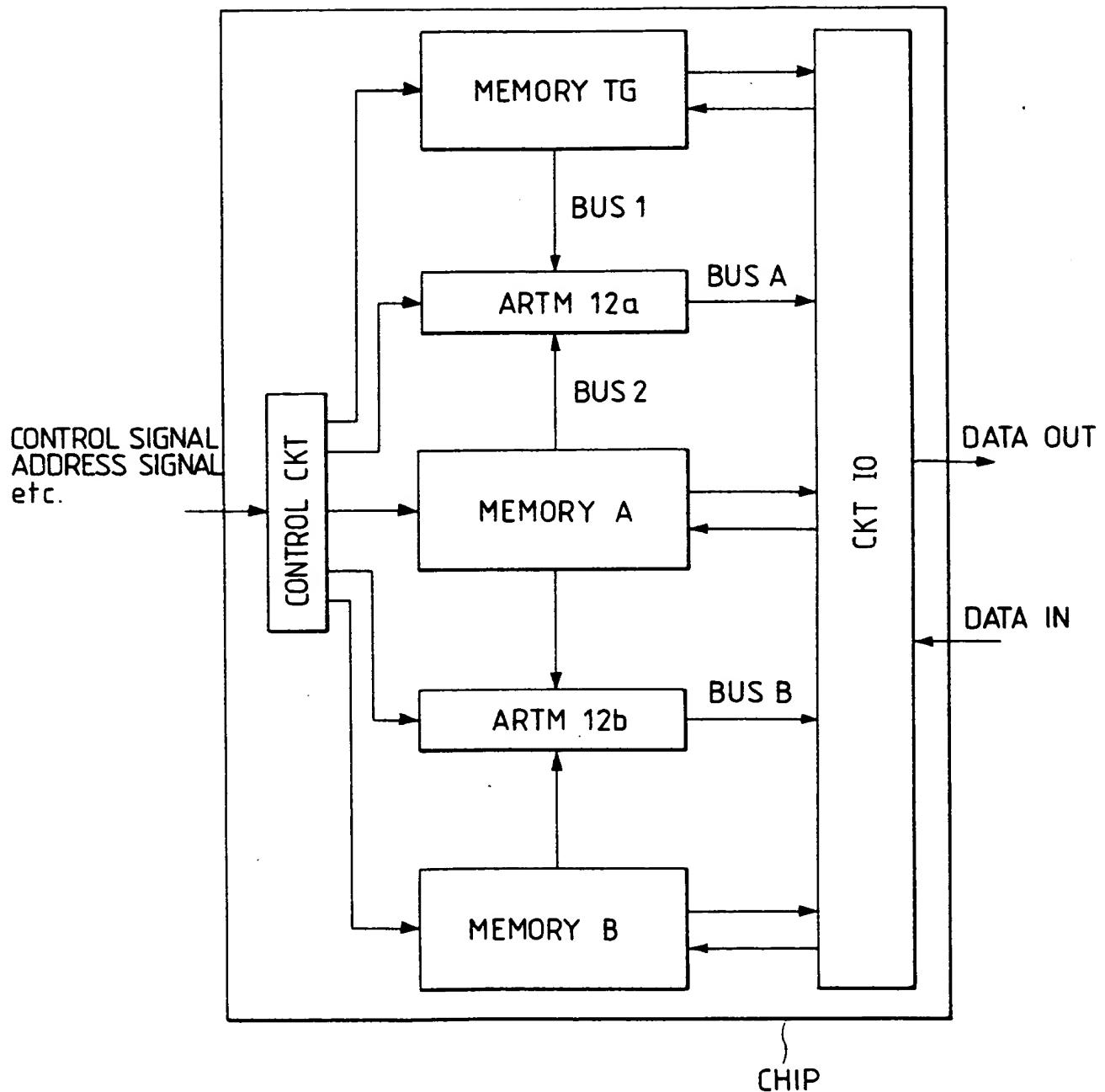


FIG. 24

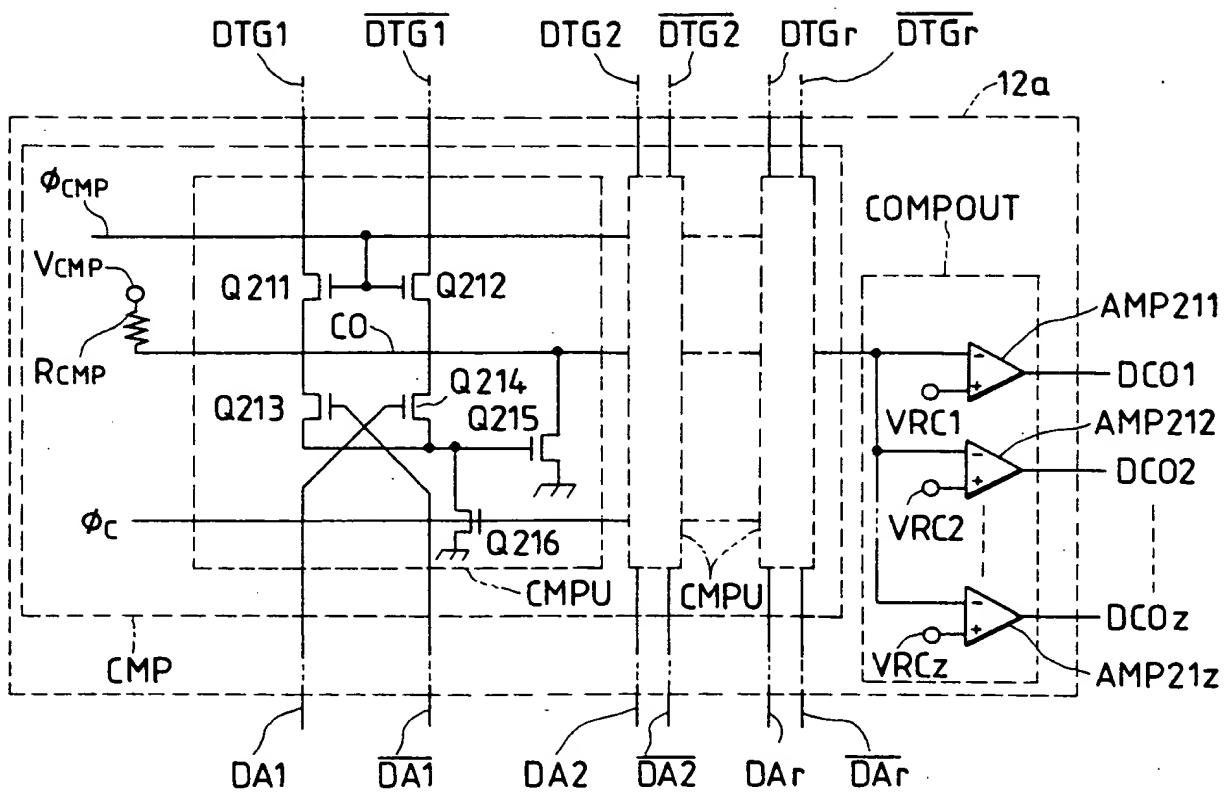


FIG. 25

